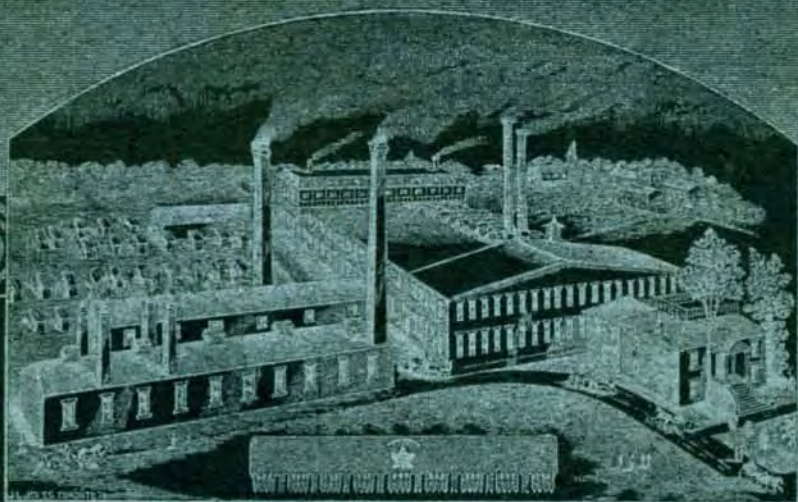




PRICE LIST • OF THE MAPLE LEAF SAW WORKS



Shurly & Dietrich

Manufacturers
of SILVER
REFINED, & CAST STEEL

SAWS

OF ALL KINDS
PATENT GROUND

PLASTERING TROWELS
STRAW KNIVES, &c.

GALT, ONT.

#4231

PRICE LIST

OF THE

MAPLE LEAF
SAW WORKS

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MANUFACTURERS OF

REFINED RAZOR AND SILVER STEEL

SAWS

OF ALL KINDS. PATENT GROUND.

Brass and Iron Bedsteads

of the Latest and Most Improved Patterns

PLASTERING TROWELS
STRAW KNIVES, Etc.

GALT, ONTARIO.

TO THE TRADE



GENTLEMEN :—

In presenting our Revised Illustrated Catalogue and Price List for 1901, special attention is called to the New Goods added and to the regulations in prices of some standard articles, the merits of which are fully established with the trade and mechanics generally.

We desire to direct attention to our Secret Chemical process of tempering saws. This process of tempering toughens and refines the Steel, and is particularly appreciated in the manufacture of Large Circular and Band Saws. Our aim, will be, as in the past, to make the *highest grade* of goods that can be produced. By using Extra Refined Razor Steel, for which we have the sole right, and which is especially adapted to our Secret Chemical Process of tempering, we are enabled to produce saws that will hold a keener cutting edge, wear longer, and are not as liable to get out of order as when made by any other process.

Energy, strict attention to the wants of our customers, and our extended experience, warrant us in guaranteeing that the high standard of all articles of our manufacture shall be maintained in the future as in the past.

We shall be pleased to have you carefully review our New List and note the many new Goods added, and revised prices.

Soliciting a continuance of your favors, we are,

Very Respectfully,

SHURLY & DIETRICH.

Terms of Warranty.

Each Saw is warranted to be made of the best material, free from seams or flaws, and as true as possible. If found defective in either of these particulars, a new one will be given in exchange if returned within a reasonable time.

The greatest care is taken that every Saw shall be true and of even temper.

The practice of using a cold chisel for re-toothing a Saw, is almost certain to crack it ; and corners filed square in the gullet of the tooth will frequently produce the same result, particularly in frosty weather. Alterations made in mandrel or pin holes, by filing or reaming, will almost invariably spring the plate. We do not warrant Saws when used on a hot mandrel.

Saws subjected to the above practices are not covered by our warranty.

Saws, when sent to be re-made, are at the owner's risk—both as regards breakage and quality.

We know it is impossible to make a Saw mathematically true, but we can approach as near that point as is practically useful ; and we believe that many times Circular Saws are condemned when the fault is with the mandrel or machinery instead of the Saw. It is a difficult matter to turn a mandrel on centres in a lathe that will run true in bearings on its journals, and any deviation from perfect truth in the flanch is multiplied as many times in the Saw as the Saw is larger than the flanch ; therefore the flanch or collar should be turned true while the mandrel is in its proper bearings. A true mandrel will help a bad Saw, but a bad mandrel will spoil a good Saw.

In justice to ourselves and the trade, we will here say that our warranty does not cover breakage in Saws that leave our Works set and filed, as all such breakage in setting is the result of some improper method—such as imperfect saw sets, operating on the saw when charged with frost, carelessness, etc. The fact of the first set being a more severe test than any set afterwards, is sufficient evidence that the operator, and not the Saw, is at fault.

Repairing—Net Cash.

All Goods returned on warranty or otherwise must be at the expense of the shipper.

All Goods returned on warranty must be within Thirty Days from date of purchase or will not be accepted.

Goods shipped at purchaser's risk.

Directions

For Hanging Circular Saws.

HANGING THE SAW.

Great care should be taken in this, as much depends on the hanging and lining of the saw. First, examine with a straight-edge the collars ; sometimes it will be found that the iron, around where the steady pins are driven, will be raised, so as to cause a bunch around the pins ; if so, either file or cut it off with a sharp cold chisel. *A true mandrel will help a bad saw, but a bad mandrel will soon spoil a good saw.* The mandrel must be level, so as to allow the saw to hang plumb, and be as tight in the boxes as it will run without heating, and little or no endwise motion. (We are aware that the latter will not agree with all sawyers' views, for sometimes endwise or lateral motion has to be given to favor a bad saw, but we are alluding to saws that are in proper condition.) The saw should hang on the collars so as to be *perfectly flat* on the log side, and collars should be a little concave. There should be great care taken to see that the saw does not bind on the pins, or that the eye does not fit too tightly on the mandrel ; if it does, the least warmth of the mandrel will be sure to cause it to expand, bind, and spring the saw. It is not to be expected that every saw will hang perfectly true, or all hang the same, even on the same collars. Although the saws may be perfectly true, any deviation from perfection in the collars, or the saw, is multiplied as many times in the saw as the saw is larger than the collars. When a saw is found to be rounding or crooked on the log side, after fastening between the collars loosen the nut and collars and put a straight-edge upon the log side of the saw, and ascertain whether the fault is in the saw or in the collars. This should be done before it is used. Saws are often pronounced crooked when the fault is in the collars. We do not wish to be held responsible for the various shapes that bad collars may put a saw into ; these imperfections may, however, be adjusted by packing writing paper between the saw and the collars. Any alteration in the way of filing or reaming, or otherwise, will almost invariably spring the saw, and render it unfit for use. *The greatest care should be taken to keep the saw on a line with the run of the carriage.* The saw should run *nearly* on a line with the carriage ; the front of the saw inclining a little to the log so that the back part may raise without the teeth cutting or scratching the timber. *A badly running carriage is ruinous to saws.* The guides should be run as closely as they can without pinching the saw, so as not to heat on the rim and below the bottom of the teeth. It is not well to move the guides when the saw is warm, as the warmth may change its position. The practice of throwing water on the saw when warm is very bad, and should never be done. It may, however, be used to prevent pitch and gum from adhering to the saw—it keeps it clean and lessens the friction when used in a proper manner, and has no injurious effect upon the saw. When used, it should be applied on both sides, and put on when the saw is cool, near the eye, in a very small stream. The motion of the saw throws it over the surface to the verge, thereby producing the effect above mentioned. Great care should be taken to keep the box next the saw from heating, as the heat is conveyed to the saw. The least heat in the centre of a saw will make it limber and cause it to dodge. A saw that is in proper condition should never have anything to cause friction in the eye or on the rim that can be avoided. The journal next the saw should not have any shoulders or collar to bear against the box, leaving everything free and clear. The mandrel can be as well and better secured with collars on the outer and inner of the opposite box.

Directions for Lining the Saw.

Run the carriage up so that one of the head-blocks will be opposite the centre of the saw; then holding a small piece of board or stick on the head block and let the end touch the centre of the saw; keep the board or stick in exactly the same place on the head-block, and run the carriage back so that the head-block will stand about twenty feet from the front of the saw; then draw a fine line from the point of the stick past the saw, which should stand one-eighth to one-quarter of an inch in twenty feet, the front inclining towards the carriage. Some saws require a trifle more, and some less.

Setting and Sharpening.

Too few sawyers realize that this is one of the chief points of success in running a circular saw mill, as a good saw not properly filed and set cannot do good work. Many good sawyers *both set and upset* with good success. This is done by first setting each alternate tooth and then spreading the point with an "upset" or "swedge," measuring with the gauge that each is set exactly alike; then file the underside of the tooth to a sharp point, being careful that the point toward which the tooth is set be left full. The back of the tooth should be filed square across, and only sufficient to bring it to a keen cutting edge falling off from the point to give the back of the tooth sufficient clearance. The most of the filing should be done on the face or under side of tooth. The "pitch" of the saw should be carefully looked to. For ordinary lumber a line drawn from the point of the tooth tangent to the circumference of a circle $\frac{5}{8}$ the diameter of the saw will be about right. This varies, however, according to the kinds of lumber to be sawed. For soft wood more "pitch" should be given to the tooth. When the upset only is used, see that the point is well braced by being upset back $\frac{1}{8}$ to $\frac{3}{16}$ of an inch—the set being fullest, of course, on the extreme point, and gradually diminishing back from the point. The throats of the teeth should be kept sufficiently open to carry out the shaving or accumulated dust without choking, and to this end we recommend the use of the "burr" or "die" gummer. This is also advantageous in regulating the "pitch" of the tooth, and may be used without taking the saw from the arbor, which is desirable when once properly adjusted. Should the saw at any time become warm there is something wrong, and the mill should be stopped until the difficulty is ascertained and remedied.

The Use of the Emery Wheel.

Emery wheels as employed in Gunning and Sharpening saws accomplish a great saving of time and labor, but when improperly used, as they often are, cause irreparable injury to saws, when the points of the teeth become heated or "blued" by the use of an emery wheel, the steel loses its toughness and tenacity in some degree, and is liable to split and crumble off in the process of spreading points afterwards.

We have had saws returned to the factory in this condition, said to be defective, which we were unable ourselves to spread on the points without checking and breaking them off, but which, after cutting off the points and starting new teeth, stood every test perfectly, thus proving that the trouble was caused by the improper use of the emery wheel.

The Motion of Circular Saws.

This is one of the most essential things to be observed, and no one can give this too much attention. If the speed of the saw is too high, it can not do good work, besides rendering it liable to many accidents. It generates heat in the saw, makes it touchy and limber, and it will only run and do good work on light feed, and while the teeth are in the best of order, and have a keen, sharp cutting corner ; as soon as this is gone, the saw will run or dodge whenever it comes in contact with the least obstacle. And again : Too slow a speed has its objections, but it is not attended with such ruinous effects upon the saw. These difficulties can be remedied to a limited extent by the hammering of the saw, but can not be entirely overcome.

Rules for Calculating the Speed of Saws, Pulleys or Drums,

PROBLEM 1.—The diameter of the driven being given, to find its number of revolutions.

RULE.—Multiply the diameter of the driver by its number of revolutions, and divide the product by the diameter of the driven ; the quotient will be the number of revolutions of the driven.

PROBLEM 2.—The diameter and revolutions of the driver being given, to find the diameter of the driven, that shall make any given number of revolutions in the same time.

RULE.—Multiply the diameter of the driver by its number of revolutions, and divide the product by the number of revolutions of the driven ; the quotient will be its diameter.

PROBLEM 3.—To ascertain the size of the driver.

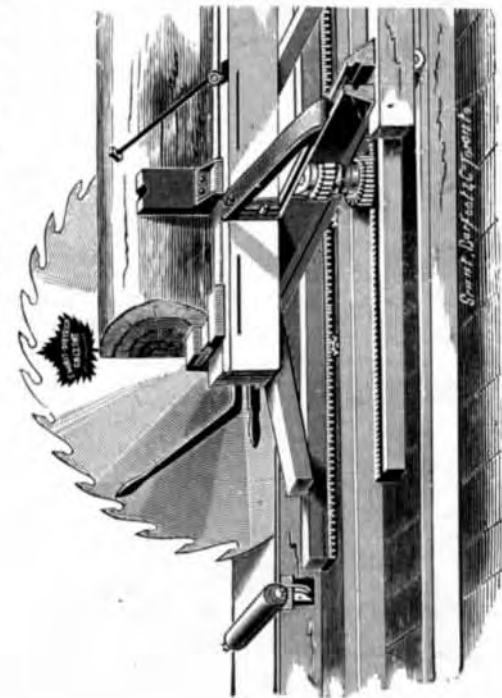
RULE.—Multiply the diameter of the driven by the number of revolutions you wish it to make, and divide the product by the revolutions of the driver ; the quotient will be the size of the driver.

Power Used by Circular Saws.

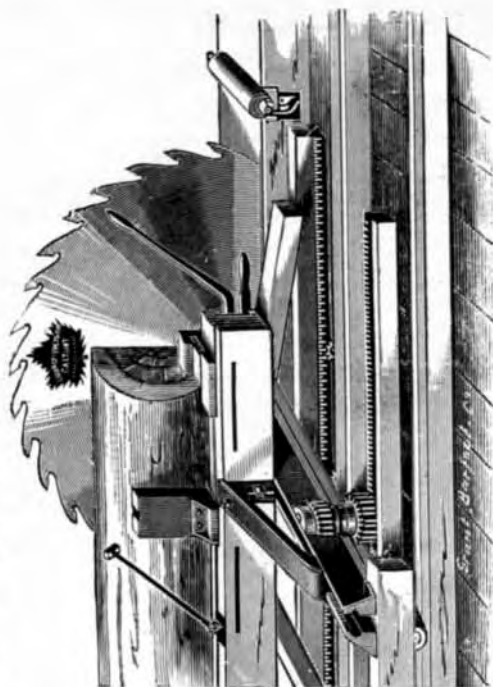
The following table shows the power used by Circular Saws of different thicknesses, feed and teeth. It is valuable to mill men and sawyers, as it is the only instance we are aware of where the test was by actual measurement. These figures were taken at a trial in Cincinnati in the year 1874. It also destroys the theory of thin saws with fine teeth, or thick saws with fine teeth, using less power. As will be seen by this trial, the 56 inch saw, 7 and 11 gauge, 42 teeth, used 100 $\frac{1}{4}$ horse power; while the saw with 40 teeth, 5 and 7 gauge, only used 95 $\frac{1}{2}$ horse power; while the saw with 50 teeth, 6 and 7 gauge, used the most power, a little over 120 horse power. It also proves that circular saws take very much more power than is generally supposed.

SIZE.	GAUGE.	TEETH.	FEEED.	HORSE POWER.
56	5 and 7	40	3 $\frac{3}{8}$	95.48
56	5 and 7	40	2 $\frac{1}{2}$	111.08
56	7 and 11	42	2 $\frac{1}{2}$	100.68
56	8 and 9	48	2 $\frac{1}{2}$	99.23
56	8 and 9	48	2 $\frac{1}{2}$	118.62
56	6 and 8	40	3 $\frac{3}{8}$	104.95
56	6 and 8	40	2 $\frac{1}{2}$	97.96
56	6 and 7	50	3 $\frac{3}{8}$	120.16
56	6 and 7	50	2 $\frac{1}{2}$	121.63
56	7 and 8	40	3 $\frac{3}{8}$	117.33
56	7 and 8	40	2 $\frac{1}{2}$	105.49
56	7 and 8	34	3 $\frac{3}{8}$	112.98
56	7 and 8	34	2 $\frac{1}{2}$	114.24
56	5 and 8	36	3 $\frac{3}{8}$	112.18
56	5 and 7	36	3 $\frac{3}{8}$	114.75
56	5 and 7	36	2 $\frac{1}{2}$	98.92
56	6 and 7	30	3 $\frac{3}{8}$	102.05
56	6 and 7	30	2 $\frac{1}{2}$	112.12
56	8 and 10	50	3 $\frac{3}{8}$	81.24
56	8 and 10	50	2 $\frac{1}{2}$	101.42

Directions for Ordering Saws.



LEFT HAND SAW.



RIGHT HAND SAW.

When ordering Circular Saws, the following Directions should be explicitly given :—

Diameter of Saw in inches.
Thickness or gauge of Saw at rim.
Thickness or gauge of Saw at centre.
Right or left hand Saw (see engraving above.)
Number of teeth in Saw.
Size of mandrel hole.

Size of pin holes.
Distance between pin holes from centre to centre.
Greatest feed at each revolution of Saw in inches.
Kind of lumber to be sawed.
Number of revolutions of Saw per minute.
Whether swedge or set.

N. B.—We make all our Saws for Stock above 48 inches in diameter, with $2\frac{1}{2}$ inch mandrel hole and $\frac{5}{8}$ inch pin holes, and $4\frac{1}{2}$ inches from centre to centre. If wanted different, please send full patterns of holes.

A very correct way to get size of the holes is to place a piece of writing paper on the inside of the loose collar or flange, and press it round the holes with the finger, which will leave the impression of the eye and pin holes on the paper.

Warranted Extra Refined Razor Steel Circular Saws.

PATENT GROUND, SUPERIOR WORKMANSHIP

AND QUALITY.

Size.	Gauge	Price.	Each Additional Gauge Extra.	Size of Mandrel Hole.	Prices for Beveling New Saws (Grinding or Beveling Old Saws Extra.)	No. of Revolutions per Min.
3 in.	19	\$ 80	\$ 05	$\frac{5}{8}$ inch.		5100
4	19	85	06	$\frac{5}{8}$ "		4900
5	19	1 10	08	$\frac{5}{8}$ "		4700
6	18	1 26	10	$\frac{5}{8}$ "		4500
7	18	1 55	12	$\frac{3}{4}$ "		4200
8	18	1 85	14	$\frac{3}{4}$ "		4000
9	17	2 15	16	1 "		3750
10	16	2 50	18	1 "	\$ 50	3500
12	15	3 15	20	1 "	50	3200
14	14	3 85	24	1 "	60	2700
16	14	4 85	30	$1\frac{1}{8}$ "	70	2300
18	14	5 85	45	$1\frac{1}{8}$ "	80	2000
20	13	6 95	48	$1\frac{1}{8}$ "	90	1800
22	12	8 15	52	$1\frac{1}{4}$ "	1 00	1650
24	11	9 45	60	$1\frac{1}{4}$ "	1 20	1475
26	11	10 85	70	$1\frac{3}{8}$ "	1 40	1350
28	11	13 20	80	$1\frac{3}{8}$ "	1 60	1275
30	10	15 50	90	$1\frac{1}{2}$ "	1 80	1200
32	10	18 15	1 00	$1\frac{1}{2}$ "	2 00	1125
34	10	20 57	1 20	$1\frac{1}{2}$ "	2 20	1060
36	9	23 10	1 50	$1\frac{1}{2}$ "	2 40	1000
38	9	27 00	1 75	$1\frac{1}{2}$ "	2 60	950
40	8	33 00	2 25	$1\frac{5}{8}$ "	3 00	900
42	8	39 00	2 75	$1\frac{3}{4}$ "	3 50	870
44	7	46 00	3 20	$1\frac{3}{4}$ "	3 70	848
46	7	54 00	3 75	$1\frac{3}{4}$ "	3 80	800
48	6	64 00	4 50	2 "	4 00	760
50	6	73 00	4 75	2 "	4 20	725
52	6	88 00	6 30	2 "	4 30	700
54	6	97 00	7 50	2 "	4 50	675
56	5	115 00	9 00	2 "	4 70	650
58	5	135 00	10 00	2 "	4 80	625
60	5	142 00	12 00	2 "	5 00	600
62	4	178 00	13 50	2 "	5 20	575
64	4	205 00	15 75	2 "	5 40	550
66	4	215 00	18 00	2 "	5 50	525
68	3	250 00	20 00	$2\frac{1}{2}$ "	5 70	500
70	3	280 00	22 50	$2\frac{1}{2}$ "	5 90	475
72	3	310 00	25 00	$2\frac{1}{2}$ "	6 00	450

Re-Sawing or Siding Saws.

				Silver Steel.	Razor Steel
20 inch,	12 gauge tapered to 14 gauge			\$ 9 00	\$10 25
22 "	11 "	"	"	10 50	12 00
24 "	10 "	"	"	12 00	13 75
26 "	10 "	"	"	14 00	16 00
28 "	10 "	"	"	16 00	18 00
30 "	10 "	"	"	20 00	22 00
32 "	9 "	"	"	22 00	24 00
34 "	9 "	"	"	25 00	27 50
36 "	8 "	"	"	30 00	34 00
38 "	8 "	"	"	34 00	38 00
40 "	7 "	"	"	40 00	48 00
42 "	7 "	"	"	50 00	58 00
44 "	7 "	"	"	61 00	69 00

State whether saw is to be beveled on one side or on both.

Warranted Extra Refined Silver Steel Circular Saws.

PATENT GROUND, SUPERIOR WORKMANSHIP
AND QUALITY.

Size.	Gauge	Price.	Each Additional Gauge Extra.	Size of Mandrel Hole.	Prices for Beveling New Saws (Grinding or Beveling Old Saws, Extra.)	No. of Revolutions per minute.
3 in.	19	\$ 0 72	\$ 0 05	5/8 inch.		5100
4	19	0 75	0 00	5/8 "		4900
5	19	1 00	0 08	5/8 "		4700
6	18	1 15	0 10	5/8 "		4500
7	18	1 40	0 12	3/4 "		4200
8	18	1 68	0 14	3/4 "		4000
9	17	1 95	0 16	1 "		3750
10	16	2 25	0 18	1 "	\$0 50	3500
12	15	2 85	0 20	1 "	0 50	3200
14	14	3 50	0 24	1 "	0 60	2700
16	14	4 40	0 30	1 1/8 "	0 70	2300
18	14	5 30	0 45	1 1/8 "	0 80	2000
20	13	6 30	0 48	1 1/8 "	0 90	1800
22	12	7 40	0 52	1 1/4 "	1 00	1650
24	11	8 60	0 60	1 1/4 "	1 20	1475
26	11	9 90	0 70	1 3/8 "	1 40	1350
28	11	12 00	0 80	1 3/8 "	1 60	1275
30	10	14 00	0 90	1 1/2 "	1 80	1200
32	10	16 50	1 00	1 1/2 "	2 00	1125
34	10	18 70	1 20	1 1/2 "	2 20	1060
36	9	21 00	1 50	1 1/2 "	2 40	1000
38	9	24 20	1 75	1 1/2 "	2 60	950
40	8	29 40	2 25	1 5/8 "	3 00	900
42	8	34 65	2 75	1 3/4 "	3 50	870
44	7	42 00	3 20	1 3/4 "	3 70	848
46	7	49 25	3 75	1 3/4 "	3 80	800
48	6	57 75	4 50	2 "	4 00	760
50	6	65 65	4 75	2 "	4 20	725
52	6	76 00	6 30	2 "	4 30	700
54	6	89 75	7 50	2 "	4 50	675
56	5	107 50	9 00	2 "	4 70	650
58	5	126 50	10 00	2 "	4 80	625
60	5	130 00	12 00	2 "	5 00	600
62	4	162 75	13 50	2 "	5 20	575
64	4	189 00	15 75	2 "	5 40	550
66	4	200 00	18 00	2 "	5 50	525
68	3	226 00	20 00	2 1/2 "	5 70	500
70	3	252 00	22 50	2 1/2 "	5 90	475
72	3	284 00	25 00	2 1/2 "	6 00	450

EXTRA REFINED RAZOR STEEL CIRCULAR TOP SAWS FOR DOUBLE MILLS.

Inches.....	24	26	28	30	32	34	36	38	40
Price.....	\$12.75	14.00	16.00	18.00	20.50	23.50	27.75	34.00	40.00

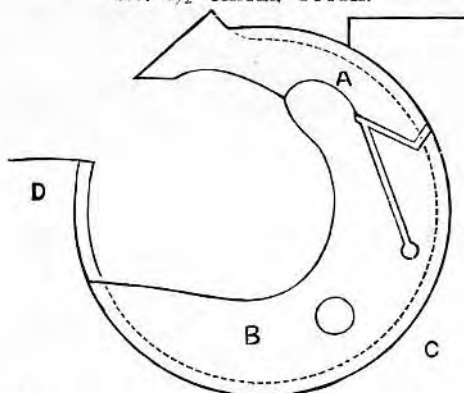
EXTRA REFINED RASOR STEEL.

CIRCULAR SAWS AND DISCS FOR CUTTING HOT OR COLD IRON.

Saws are toothed, in ordering give distance from point to point of tooth; discs are plain plates without teeth. Note this when ordering.

Diameter in inches.	Price.	Gauge.	Diameter in inches.	Price.	Gauge.
36	\$24 00	8	42	\$40 00	8
38	28 00	8	44	50 00	8
40	33 00	8	46	60 00	8

Warranted

Extra Refined Razor Steel Chisel-Tooth Saw.PATENT GROUND, SUPERIOR WORKMANSHIP AND QUALITY.
No. 2½ CHISEL TOOTH.

The No. 2½ Chisel-Tooth in position ready for work.

A—Shows the Chisel Bit, full size.
C—Shows the Saw Plate.B—Shows the shank, full size.
D—Shows the V-shaped edge of the socket which fits into the groove of the Shank and of the Bit and holds them both firmly.**Section of Chisel-Tooth Saw, showing the full size of No. 2½ Tooth.**

This saw is designed specially for heavy feeds, and is suitable for mills where independent steam feeds are employed.

PRICES OF CHISEL-TOOTH SAWS, WITH NO. 2½ TEETH.

Diameter in inches,	Gauge at Rim.	Greatest Number of Teeth that can be put in a Saw.	Price.	Number of Bits given with each Saw.	Extra Shanks given with each Saw.	Diameter in inches.	Gauge at Rim.	Greatest Number of Teeth that can be put in a Saw.	Price.	Number of Bits given with each Saw.	Extra Shanks given with each Saw.
12	11 to 6 Gauge inclusive.	12	\$21 00	100	2	44	9 to 6 Gauge inclusive.	50	\$118 00	400	4
14		14	24 00	100	2	46		52	128 00	400	4
16		16	28 00	100	2	48		54	142 00	400	4
18		18	31 00	100	2	50		56	154 00	400	4
20		20	34 00	100	2	52		60	176 00	500	4
22		24	45 00	200	2	54		62	196 00	500	4
24		26	48 00	200	2	56		64	220 00	500	4
26		28	52 00	200	2	58		66	250 00	500	4
28		30	56 00	200	2	60		70	284 00	500	4
30		32	61 00	200	2	62		74	323 00	500	4
32		34	66 00	300	3	64		76	358 00	500	4
34		36	75 00	300	3	66		78	398 00	500	4
36		38	84 00	300	3	68		80	444 00	500	4
38		42	89 00	300	3	70		82	494 00	500	4
40		44	94 00	300	3	72		84	544 00	500	4
42		46	104 00	400	4						

Chisel Teeth made of the best Refined Razor Steel, per hundred \$4 net.

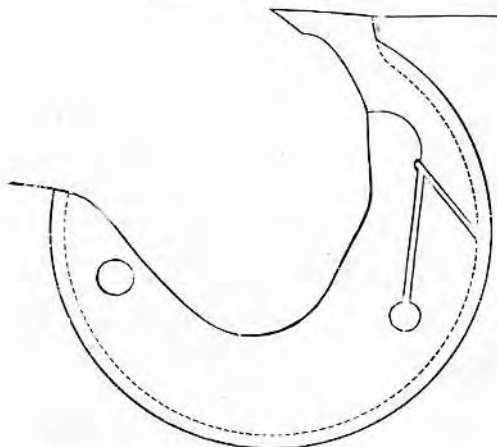
Shanks or Bit Holders, 30c. each net.

The price for inserting Chisel teeth in old saws is \$2 per tooth for the No. 2½ size ; \$2.25 for the No. 3 size, and \$2.50 per tooth for the No. 4 size. This price includes hammering and putting the saw in perfect condition for work, and the same number of bits and extra shanks furnished that go with a new saw of the same diameter.

Warranted Extra Refined Razor Steel Chisel-Tooth Saw.

PATENT GROUND, SUPERIOR WORKMANSHIP AND QUALITY.

No. 3 CHISEL-TOOTH.



Section of Chisel-Tooth showing full size of No. 3 Chisel-Tooth.

This size of tooth is used principally in the hard woods and is the best saw where both hard and soft wood are to be cut.

PRICES OF CHISEL-TOOTH SAW, WITH NO. 3 TEETH.

Diameter in Inches.	Gauge at Rim.	Number of Teeth in Saw.	PRICE.	Greatest number of Teeth that can be put in saw.	Size of Mandrel Holes.	Number of Bits given with each saw.	Extra Shanks given with each saw.	Diameter in inches.	Gauge at Rim.	Number of Teeth in Saw.	PRICE.	Greatest number of Teeth that can be put in Saw.	Size of Mandrel Holes.	Number of Bits given with each Saw.	Extra Shanks given with each Saw.
16	12	12	\$30 00	12	1 1/8	100	2	46	32	32	\$100 00	38	2	400	4
18	12	12	23 00	14	1 1/4	100	2	48	32	32	110 00	38	2	400	4
20	12	12	26 00	16	1 5/16	100	2	50	36	36	122 00	40	2	400	4
22	12	12	29 00	16	1 5/16	200	2	52	36	36	140 00	42	2	500	4
24	12	12	32 00	18	1 3/8	200	2	54	40	40	160 00	44	2	500	4
26	14	14	36 00	20	1 3/8	200	2	56	40	40	180 00	44	2	500	4
28	14	14	40 00	22	1 1/2	200	2	58	44	44	210 00	46	2	500	4
30	16	16	45 00	24	1 1/2	200	2	60	44	44	240 00	48	2	500	4
32	16	16	50 00	26	1 5/8	300	3	62	46	46	275 00	50	2	500	4
34	20	20	55 00	26	1 5/8	300	3	64	48	48	310 00	52	2	500	4
36	20	20	60 00	28	1 5/8	300	3	66	48	48	350 00	54	2	500	4
38	24	24	65 00	30	1 5/8	300	3	68	52	52	400 00	58	2	500	4
40	24	24	70 00	32	2	300	3	70	54	54	450 00	60	2	500	4
42	28	28	80 00	34	2	400	4	72	56	56	500 00	62	2	500	4
44	28	28	90 00	36	2	400	4								

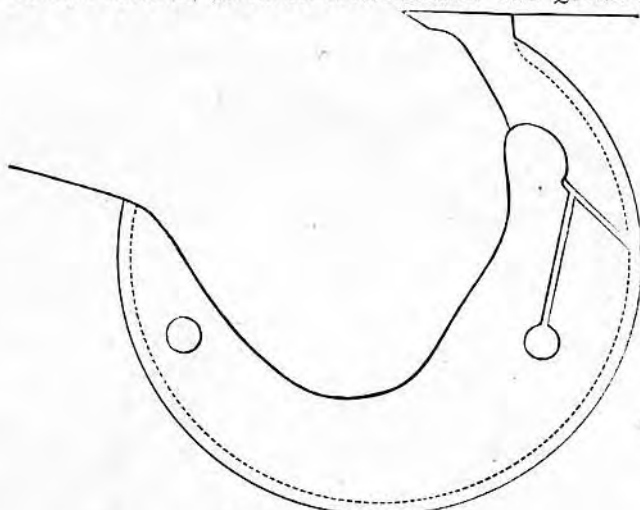
Chisel-Teeth made of the best Refined Razor Steel, per hundred, \$4 net.

Shanks or Bit Holders, 35c. each net.

The price for inserting Chisel Teeth in old saws is, \$2 per tooth for the No. 2 1/2 size ; \$2.25 for the No. 3 size, and \$2.50 per tooth for the No. 4 size. This price includes hammering and putting the saw in perfect condition for work, and the same number of bits and extra shanks furnished that go with a new saw of the same diameter.

Warranted
Extra Refined Razor Steel Chisel-Tooth Saw.

PATENT GROUND, SUPERIOR WORKMANSHIP AND QUALITY.



No. 4 Chisel-Tooth.

SECTION OF CHISEL TOOTH SAW, SHOWING THE FULL SIZE OF NO. 4 CHISEL-TOOTH.

This size of tooth is used principally in soft pitchy lumber, and in places where more throat room is desired. This is a good all-around tooth.

PRICES OF CHISEL-TOOTH CIRCULAR SAWS, WITH NO. 4 TEETH

Diameter in Inches.	Gauge at Rim.	Number of Teeth in Saw.	PRICE.	Greatest Number of Teeth that can be put in a Saw.	Size of Mandrel Holes.	Number of Bits given with each Saw.	Extra Shanks given with each Saw.	Diameter in Inches.	Gauge at Rim.	Number of Teeth in Saw.	PRICE.	Greatest Number of Teeth that can be put in a saw.	Size of Mandrel Holes.	Number of Bits given with each Saw.	Extra Shanks given with each Saw.
22	12	12	\$29 00	12	1 1/8	200	2	48	26	110 00	32	2	2	400	4
24	12	12	32 00	14	1 3/8	200	2	50	28	122 00	34	2	2	400	4
26	12	12	36 00	14	1 3/8	200	2	52	28	140 00	36	2	2	500	4
28	14	14	40 00	16	1 1/2	200	2	54	32	160 00	38	2	2	500	4
30	14	14	45 00	18	1 1/2	200	2	56	32	180 00	38	2	2	500	4
32	16	16	50 00	20	1 5/8	300	3	58	36	210 00	40	2	2	500	4
34	16	16	55 00	22	1 5/8	300	3	60	36	240 00	42	2	2	500	4
36	18	18	60 00	22	1 5/8	300	3	62	38	275 00	44	2	2	500	4
38	20	20	65 00	24	1 5/8	300	3	64	38	310 00	46	2	2	500	4
40	20	20	70 00	26	2	300	3	66	40	350 00	48	2	2	500	4
42	24	24	80 00	28	2	400	4	68	40	400 00	50	2	2	500	4
44	24	24	90 00	30	2	400	4	70	44	450 00	52	2	2	500	4
46	26	26	100 00	30	2	400	4	72	44	500 00	54	2	2	500	4

Chisel-Teeth made of the best Refined Razor Steel, per hundred \$4.50 net.

Shanks or Bit Holders, 40c. each net.

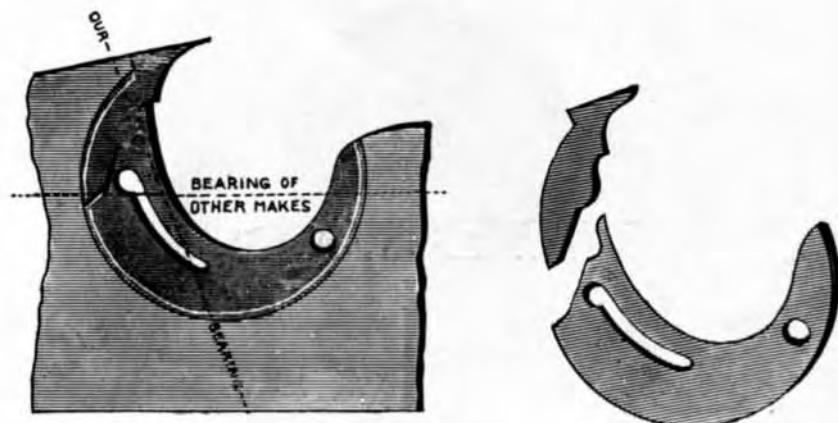
The price for inserting Chisel Teeth in old saws is \$2.00 per tooth for the No. 2 1/2 size, \$2.25 for the No. 3 size; and \$2.50 per tooth for the No. 4 size. This price includes hammering and putting the saw in perfect condition for work, and the same number of bits and extra shanks furnished that go with a new saw of the same diameter.

DIRECTIONS FOR INSERTING BITS.

Before inserting the Bits, a cup of oil should be placed at the left of the operator and behind the saw, the wrench is then taken in the right hand, and the pins placed in the holes of the shank which is lifted up sufficiently to make room for the bit. The bit is taken with the left hand, any dirt that may be in the groove carefully removed, and the grooved back dipped into the oil. It is then placed in position on the head, held firmly and evenly with the sides of the shank, and the lever is pressed downwards until the shoulders of the tooth and of the socket meet lightly. It is not necessary to use force, as, if the entire socket is oiled occasionally the shank will move easily.

Class' Improved Chisel Tooth Saws.

Patented Feb. 20th, 1893.



This saw has been thoroughly tested and proven to have ADVANTAGES OVER ALL OTHERS in the market. Our PATENT SPRING HOLDER will take in teeth varying in width or thickness (without changing the tension of Saw), an advantage which no other manufacturer can claim. The pressure from teeth is DOWNWARD, TOWARD THE CENTRE, while in all other Saws from side to side of openings. We claim the best, and our friends who have tested the Saw will bear us out in this assertion. If in the market for new Saws, give us a trial and see how well we can please you.

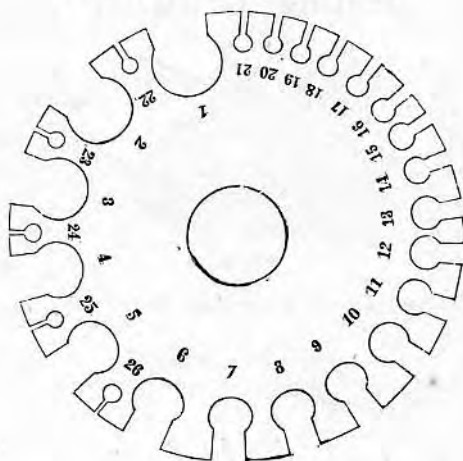
Dia.	Price.	Gauge.	Teeth.	Hole.	Dia.	Price.	Gauge.	Teeth.	Hole.
16	\$ 28 00	7 to 9.	12	1 $\frac{1}{4}$ inch	48	\$115 00	6 to 8.	28	2 inch
18	30 00		12	1 $\frac{1}{2}$ "	50	130 00		30	2 "
20	34 00		12	1 $\frac{3}{4}$ "	52	150 00		32	2 "
22	37 00		12	1 $\frac{1}{2}$ "	54	175 00		34	2 "
24	40 00		12	1 $\frac{3}{4}$ "	56	200 00		36	2 "
26	45 00		14	1 $\frac{1}{2}$ "	58	225 00		38	2 "
28	50 00		14	1 $\frac{3}{4}$ "	60	255 00		38	2 "
30	55 00		16	1 $\frac{3}{4}$ "	62	290 00		40	2 "
32	60 00		16	1 $\frac{1}{2}$ "	64	325 00		40	2 "
34	66 00		20	1 $\frac{1}{2}$ "	66	360 00		44	2 "
36	72 00		20	1 $\frac{3}{4}$ "	68	400 00		44	2 $\frac{1}{2}$ "
38	76 00		24	1 $\frac{1}{2}$ "	70	450 00		50	2 $\frac{1}{2}$ "
40	80 00		24	1 $\frac{3}{4}$ "	72	500 00		52	2 $\frac{1}{2}$ "
42	85 00		26	1 $\frac{3}{4}$ "					
44	93 00		28	1 $\frac{1}{2}$ "					
46	103 00		28	1 $\frac{3}{4}$ "					

Prices for inserting teeth in old Saws, \$2.25 per tooth, NET.

Chisel Teeth, made out of the best Refined Razor Steel, per hundred, \$4.00, net. Spring Holders, 45 cents each.

Six sets Teeth given with each Saw, either with new or changed from a solid tooth. Also three extra Spring Holders.

Standard Gauge.



Price, per dozen \$25.00.

Gauge No. 4,.....	1-4 inch scant.	Gauge No. 11,.....	1-8 inch scant.
" " 5,.....	7-32 "	" " 12,.....	3-32 " full.
" " 6,.....	3-16 " full.	" " 13,.....	3-32 " "
" " 7,.....	3-16 " scant.	" " 14,.....	5-64 " full.
" " 8,.....	5-32 " "	" " 15,.....	5-64 " scant.
" " 9,.....	5-32 " scant.	" " 16,.....	1-16 " full.
" " 10,.....	1-8 " full.	" " 22,.....	1-32 " "

EDGER SAWS.

DIAMETER.	12	14	16	18	20	22	24 inch.
12 Gauge.....	\$3 55	\$4 10	\$5 15	\$6 30	\$7 00	\$8 15	\$ 9 50 each.
11 ".....	3 75	4 35	5 45	6 75	7 45	8 15	9 55 "
10 ".....	3 95	4 60	5 75	7 20	7 90	8 67	9 60 "
9 ".....	4 15	4 80	6 05	7 65	8 40	9 20	10 05 "
8 ".....	4 35	5 05	6 35	8 10	8 87	9 70	10 65 "

GROOVING SAWS.

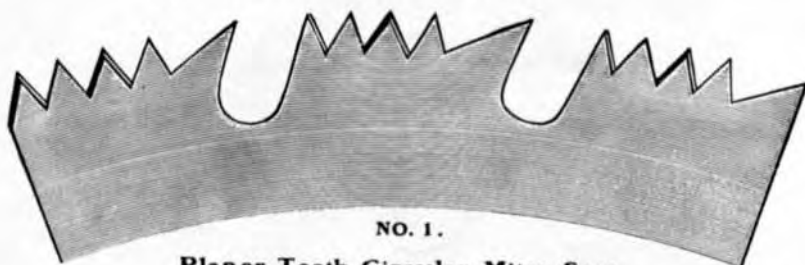
THICKNESS, INCH.	1-8	3-16	1-4	5-16	3-8	7-16	1-2
4 inches diameter.....	\$2 60	\$3 00	\$3 40	\$3 80	\$4 20	\$4 60	\$5 00
5 ".....	3 00	3 40	3 80	4 20	4 60	5 00	5 40
6 ".....	3 40	3 80	4 20	4 60	5 00	5 40	5 80
7 ".....	3 80	4 20	4 60	5 00	5 40	5 80	6 20
8 ".....	4 20	4 60	5 00	5 40	5 80	6 20	6 60
9 ".....	4 60	5 00	5 40	5 80	6 20	6 60	7 00
10 ".....	5 00	5 40	5 80	6 20	6 60	7 00	7 40
12 ".....	6 00	6 40	6 80	7 20	7 60	8 00	8 40
Space of teeth.....	½ in.	1 in.	1 in.	1¼ in.	1½ in.	1¾ in.	2 in.

Saws with less space or special teeth Extra Price.

When sending Saws to be repaired, MARK THE PACKAGE PLAINLY TO OUR ADDRESS—ALSO THE ADDRESS OF THE PARTY SENDING IT. Send instructions about repairs by mail, and also by what conveyance, and to what address to be returned when finished.

When receiving a large number of Saws for repairs, unless they are properly marked, we cannot tell by whom they are sent.

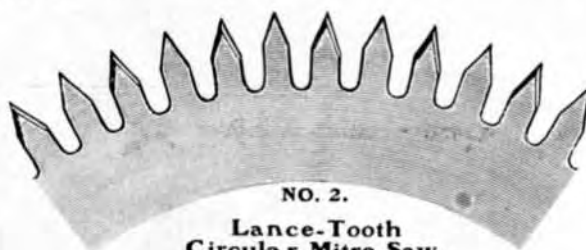
Extra Refined Razor Steel Circular Mitre Saws, Hollow Ground.



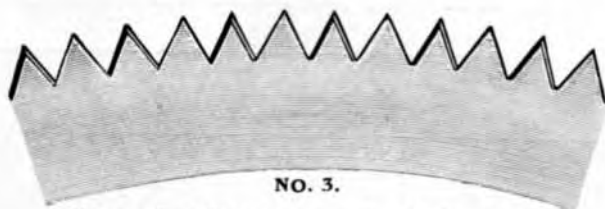
NO. 1.

Planer-Tooth Circular Mitre Saw.

This saw can be made for either ripping or cross cutting. When used for ripping only we put in a greater number of cleaver teeth than when used for cross cutting. It will cut equally as smooth in either ripping or cross cutting.



NO. 2.

**Lance-Tooth
Circular Mitre Saw.**

NO. 3.

Cross-Cut-Tooth Circular Mitre Saw.

These saws are *Hollow Ground*, and are especially adapted for smooth cutting, such as cabinet and cigar-box work. When ordering, give size of centre hole, *also diameter of collars.*

Size, Inches.	Price, Each.	Gauge at Hole	Gauge at Teeth	Extra for each additional gauge heavier than list.	Extra for each additional gauge bevelling.
4	\$2 50	21	18	\$0 05	\$0 14
5	3 00	20	17	06	16
6	3 50	20	17	08	18
7	4 25	19	16	09	21
8	4 75	19	16	12	22
9	5 50	18	15	15	25
10	6 00	18	15	18	28
11	6 50	17	14	21	30
12	7 00	17	14	25	35
14	7 75	16	13	32	40
16	8 75	16	13	38	50
18	10 25	15	12	45	60
20	12 25	15	12	53	70
22	15 00	14	11	68	80
24	18 00	14	11	83	90

Warranted Extra Refined Razor Steel Concave Heading Saws.



RIGHT HAND SAW.



LEFT HAND SAW.

The attention of the manufacturers of *CHAIR* or *WHEELRIGHT LUMBER, BARRELS*, etc., is respectfully called to *CONCAVE SAWS*, of which we are manufacturing large quantities. They are dished and tempered by an entirely new process, and guaranteed to be of superior quality in every respect.

6 inches, 16 gauge	\$1 75	9 cents extra each additional gauge.
7 " 16 "	2 10	10 " " " "
8 " 16 "	2 50	11 " " " "
9 " 16 "	3 00	14 " " " "
10 " 15 "	3 40	16 " " " "
12 " 15 "	4 50	20 " " " "
14 " 15 "	5 75	24 " " " "
16 " 14 "	7 00	28 " " " "
18 " 13 "	8 25	34 " " " "
20 " 13 "	10 50	40 " " " "

Extra sizes made to order.

When ordering Concave Saws, give circle to be dished to ; also which side is to be shed, right or left hand, saw running towards you. See above Cuts,

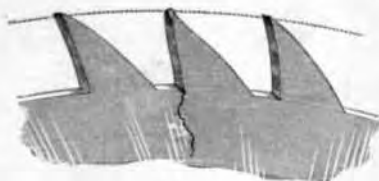
PRICE FOR SETTING AND FILING CIRCULAR SAWS.

To 20 inch, Cross Cut	5 cents per inch diameter, Rip	3 cents.
" 30 " "	6 " " " "	4 "
" 40 " "	7 " " " "	5 "
" 50 " "	8 " " " "	6 "
" 60 " "	9 " " " "	7 "
" 72 " "	10 " " " "	8 "

NOTE.—We are the only Manufacturers using the Fine and Higher Grades of Steel, and our Circular Saws made from this quality of Steel are especially recommended for toughness of fibre, uniformity of temper, and durability. A saw made from this quality of Steel and tempered under our SECRET CHEMICAL PROCESS will hold a Keener Cutting Edge much longer than the ordinary make of Saws.

SUGGESTIONS ON THE CARE OF SAWS.

Saws of any kind are liable to crack, if filed to a square corner, as indicated by cuts numbered 1, 2 and 3, and our WARRANTY WILL NOT COVER BREAKAGES IN SUCH CASES. They should invariably be left with a round throat or gullet.



No. 1.

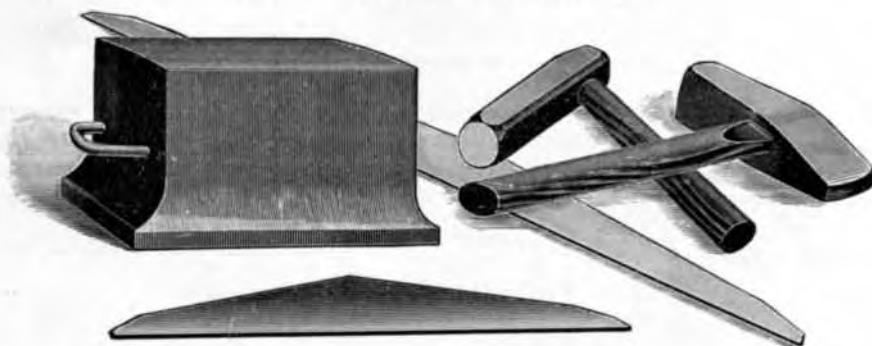


No. 2.



No. 3.

Tools for Repairing Saws.



SAW MAKERS' ANVILS.

Face $6\frac{1}{2}$ " x $9\frac{1}{2}$ ". Height 6". Chilled face..... Price \$15.00

SAW MAKERS' HAMMERS.

Price per pound..... .50 cents.

SAW MAKERS' STRAIGHT-EDGES.

12	18	24	30	36	40	44	48	52	54	58	62 in.
\$0.85	1.25	1.75	2.20	2.60	3.00	3.50	4.00	4.65	5.00	5.60	6.50 each.

Special sizes, to order, special prices.

Prices for Repairing Saws.

CIRCULAR SAWS.

From 4 to 26 inches, gummed and hammered	6¼ cents per inch diameter.
" 4 " 26 " hammered	4 " " "
" 27 " 36 " gummed and hammered	8 " " "
" 27 " 36 " hammered	5 " " "
" 37 " 48 " gummed and hammered	12½ " " "
" 37 " 48 " hammered	8 " " "
" 49 " 54 " gummed and hammered	16 " " "
" 49 " 54 " hammered	10 " " "
" 55 " 60 " gummed and hammered	18¾ " " "
" 55 " 60 " hammered	10 " " "
" 61 and upwards, gummed and hammered	25 " " "
" 61 " hammered	15 " " "

SHINGLE SAWS.

To 34 inches, gummed and hammered	12½ cents per inch diameter.
" 34 " hammered	8 " " "
" 35 " and upwards, gummed and hammered	18¾ " " "
" 35 " " hammered	12½ " " "

Taking off and putting on Collars, extra.

CROSS-CUT AND TENON SAWS.

Gummed and hammered	\$1.00 each.
Hammered	0.50 "
Gummed, hammered, set and filed	1.50 "

CROSS-CUT SAWS—LANCE TOOTH.

Gummed and hammered, set and filed	\$1.75 each.
Gummed and hammered	1.25 "
Hammered	0.50 "

MILL AND MULAY SAWS.

Gummed and hammered	\$1.50 each
Hammered	0.75 "

BUTTING SAWS.

Gummed and hammered	\$1.00 each.
Hammered	0.75 "

Price for re-toothings—25 per cent. added to above list.

Breakage in re-toothings at owner's risk.

Re-grinding Shingle Saws, including hammering.

1 Gauge. 2 Gauges. 3 Gauges.			1 Gauge. 2 Gauges. 3 Gauges.		
32 inch.....	\$4.80	\$6.80	\$8.80	40 inch.....	\$6.33
34 "	5.18	7.38	9.57	42 "	7.00
36 "	5.55	7.95	10.35	44 "	7.38
38 "	5.75	8.37	10.97	46 "	7.63
					11.45
					15.25

When ordering Shingle Saws, observe Directions on page 8.

RE-GRINDING SEGMENT SAWS.

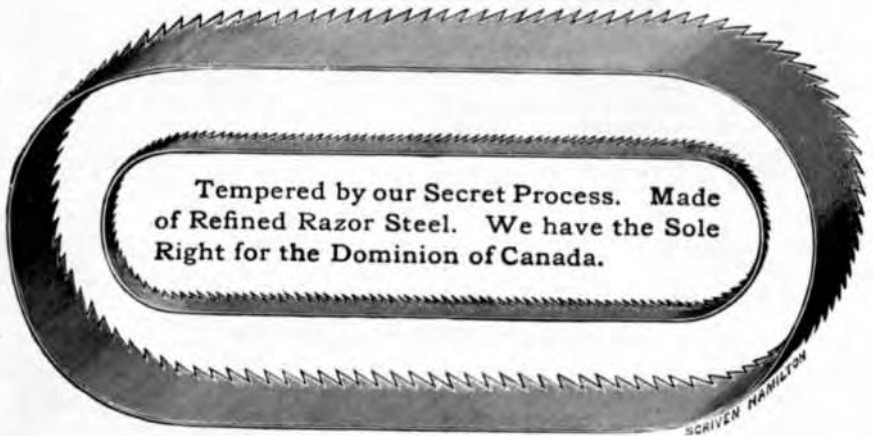
2 Gauges, 8 cents per inch ; 3 Gauges, 10 cents per inch.

NOTICE.

When sending saws to be repaired, please observe the following Directions : The case or package containing them should be plainly marked to our address, and have upon it the names of the parties sending it, that the saws may be readily identified. Directions as to the nature of the repairs desired should also accompany them, or be sent to us by mail. Until such are received, no repairs will be made.

N. B.—Saws that get crooked and bent may be straightened and not gummed. But in no case should a Circular Saw be gummed and not straightened. Gumming (no matter how it is done), will invariably stretch the saw on the rim, or change the strain of the plate so that it will not run well until it has been straightened.

Extra Refined
Razor Steel Band Saws.



The successful introduction of Band Saws for the conversion of logs into boards is an important event in the history of lumber manufacturing. A great saving to the producer has been effected, especially in those sections where the timber is valuable.

The system commends itself to the attention of all now engaged in the business or of those who are contemplating investments in this line. Band Saws of our manufacture are winning the favor of manufacturers for their excellent and uniform temper, toughness and quality of steel of which they are made.

These saws are made of Razor Steel, a steel specially made for us, and of the highest grade, and tempered under our Secret Process, which process toughens and refines the steel, giving a keener cutting edge than by any other process.

If you are now manufacturing band-sawed lumber, your experience has doubtless shown you that it is essential that the saws put into use shall be of the most reliable quality.

Whatever may be the conditions of use, it is evident that the saws of the most uniform temper, made of the finest and toughest steel will stand the strain better than cheap, inferior blades.

The saws we have put out from the very first have given the best of satisfaction, and the volume of orders, mostly voluntary, have more than exceeded our expectations. We found from the start that we had struck the right idea as to temper, and yet with a view of excelling, beyond a doubt, in this branch of our business, we have recently instituted some important improvements in the machinery employed in making Band Saws, as well as the manipulation of the blades, which preserves the Original Elasticity and Strength of the Steel.

SUGGESTIONS ON THE USE OF SMALL AND BAND RESAWS.

Keep the correct pitch upon the tooth so as to give the saw a proper lead into the cut. This will take the friction entirely off the stay pin. By the use of a round edge file the saw will be kept from galling and breaking. To save trouble and expense, a proper pitch must be held for each kind of work and wood.

Band Saws

MADE OF

EXTRA REFINED RAZOR STEEL, SECRET CHEMICAL TEMPERED AND POLISHED.

Length.	Price.
$\frac{1}{8}$ inch, per foot	\$0 10 per foot
3-16 " "	10 " "
$\frac{1}{4}$ " "	10 " "
$\frac{3}{8}$ " "	14 " "
$\frac{1}{2}$ " "	15 " "
$\frac{5}{8}$ " "	17 " "
$\frac{3}{4}$ " "	20 " "
$\frac{7}{8}$ " "	23 " "
1 " "	26 " "
$1\frac{1}{8}$ " "	29 " "
$1\frac{1}{4}$ " "	32 " "
$1\frac{3}{8}$ " "	35 " "
$1\frac{1}{2}$ " "	40 " "
$1\frac{3}{4}$ " "	46 " "
2 " "	50 " "
$2\frac{1}{2}$ " "	65 " "
3 " "	80 " "
$3\frac{1}{2}$ " "	1 00 " "

All Saws set and filed without extra charge.

Cut any length. Any length over even feet charged as a foot.

Brazing, $\frac{3}{8}$ in. and under, 25c. ; to 1 in., 35c. ; to $1\frac{1}{2}$ in., 50c. ; to $2\frac{1}{2}$ in., \$1 ; to $3\frac{1}{2}$ in., \$1.50 net. In ordering state length, width, and if brazed or not.

Wide Blades.

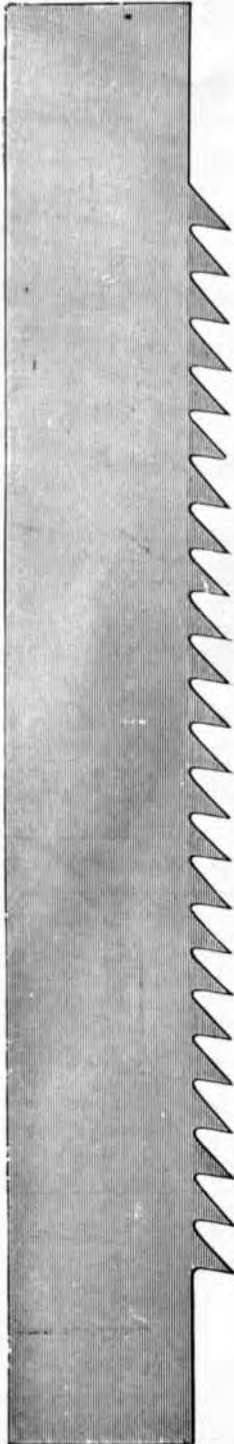
Width.	Usual Gauge.	For Running Foot.
4 inch.	16 to 18	\$1 20
$4\frac{1}{2}$ "	16 to 18	1 35
5 "	16 to 18	1 50
$5\frac{1}{2}$ "	16 to 18	1 65
6 "	15 to 17	1 80
7 "	15 to 17	2 15
8 "	14 to 16	2 50
9 "	14 to 16	3 00
10 "	14 to 16	3 50
11 "	14 to 16	4 20
12 "	14 to 16	5 00
13 "	13 to 15	6 00
14 "	13 to 15	7 00

Silver Solder for Brazing Band Saws, carried in stock, \$2 per oz.

Warranty.

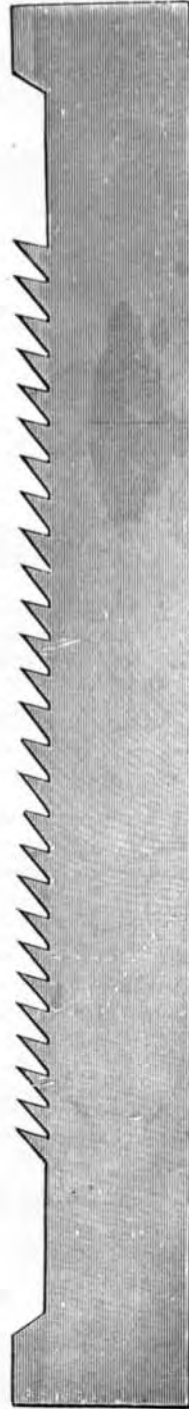
We do not guarantee our band saws not to crack or break ; nor the saw to wear down to any particular width before its work is done or its life ended ; all we have to offer in this respect is our good name and world-wide reputation ; and as saw manufacturers, it has been, is and ever will be our end and aim to produce the very best that our facilities, experience, skill and ingenuity can devise, and that shall be unsurpassed by anything hitherto made.

Warranted Silver-Steel Mulay Saws Extra Temper



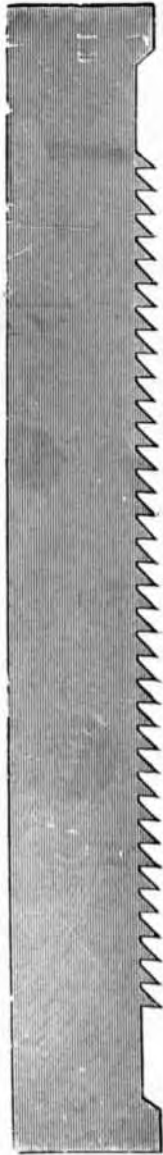
Inches Wide	10	11	12	14	Each additional Gauge.....
6 1/2 feet to 6 Gauge	\$10 75	\$12 00	\$13 00	\$15 25	\$0 50
7 " 6 "	12 00	13 50	15 00	16 50	" " 0 55
7 1/2 " 6 "	13 25	14 50	15 50	17 50	" " 0 60
8 " 6 "			18 00	20 00	" " 0 65

Warranted Silver-Steel Mill Saws. Extra Temper, Patent Ground.



No. 6 Gauge	\$1 40 per foot.
No. 7 " "	1 30 "
No. 8 " "	1 15 "

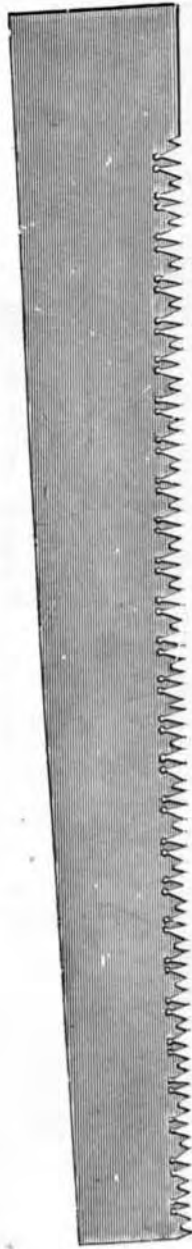
Warranted Extra Refined Razor-Steel Gang Saws.



No. 15 to 13 Gauge	\$1 00 per foot.	No. 8 Gauge	\$1 30 per foot.
" 12 to 11 "	1 10 "	" 7 "	" 1 55 "
" 10 to 9 "	1 15 "	" 6 "	" 1 75 "

Standard width, 8 inches; each additional inch in width, 10 per cent. added to above prices.

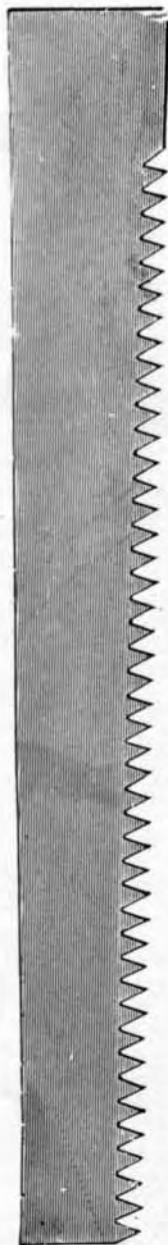
Improved Champion Drag Saws.



\$1.20 per foot, set and filed.

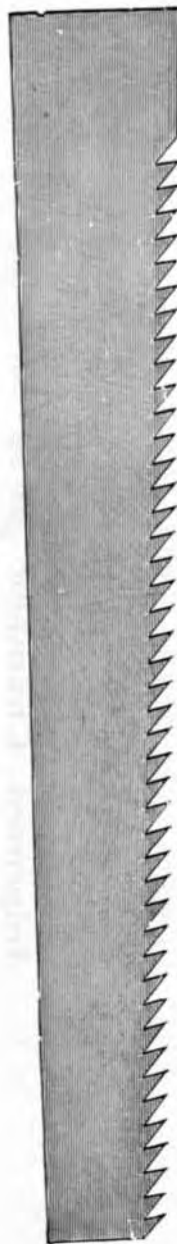
Patent Lance Tooth Drag Saws, 8 inches butt, 6 inches point—Same price as above.

Extra Silver-Steel Drag or Butting Saw.



Cross-Cut Tooth

Price 87 cents per foot, set and filed.



Mill Tooth

Price 87 cents per foot, set and filed.

Perforated and Plain Lance Tooth Drag Saws.

10 inches wide, 9 gauge.

With Perforated Tooth .. \$2 00 per foot.

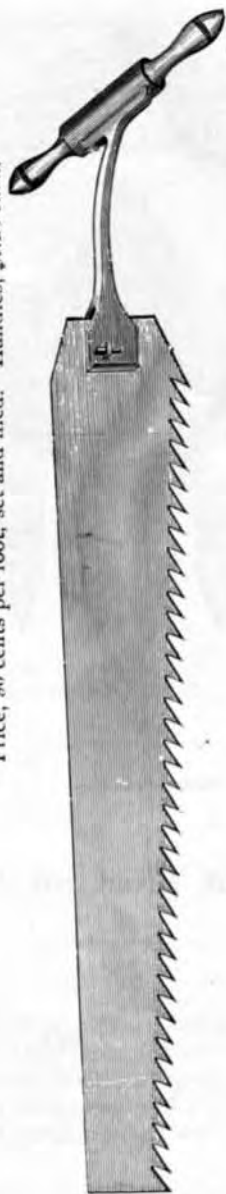
Without " .. 1 75 "

These Saws are made especially for sawing Shingle Bolts. In ordering, state kind of tooth wanted.

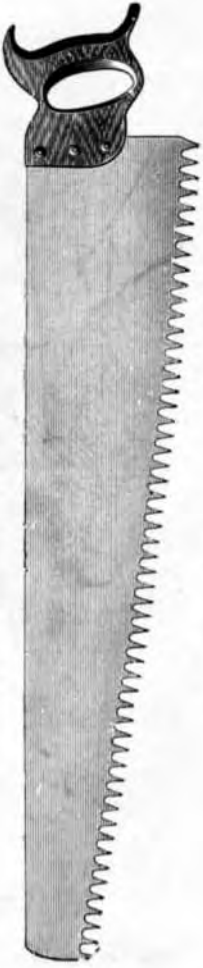
Warranted Extra Silver-Steel Ice Saws.
No. 1. Cross-Cut Tooth.



No. 2. Rip Tooth.
Price, 90 cents per foot, set and filed. Handles, \$1.25 each.



Ice Saw With Iron Handle.



For Use in Ice Carts and Ice Houses.

Inches.....	24	26	28	30
Per dozen.....	\$21.00	\$23.00	\$25.00	\$27.00

Maple Leaf Lance Tooth Cross-Cut Saw.

Extra Refined Razor Steel. No. 0.

PATENTED MARCH 10TH, 1877.



Price, \$1.00 per foot, set and filed.

Ground Thin on Back.

**Save Labor
Save Time**

**Save Gumming
Save Files**

It stands without a rival, and is the Fastest Cutting Saw in the world. It has beaten the best Canadian and American-made Saws $33\frac{1}{3}$ per cent. in every contest. Its superiority consists in its excellent temper. It is tempered under the Secret Chemical Process, which toughens and refines the steel. It gives a finer and keener cutting edge, and will hold it twice as long as by any other process. We have the sole right for this process for the Dominion of Canada and United States.

None Genuine that are not like the above cut, with registered trade mark with the words "The Racer," and Maple Leaf with our name,

The Maple Leaf Lance Tooth Cross-Cut Saws.

Extra Refined Razor Steel.

No. 1.

PATENTED MARCH 10TH, 1877.



Price, 95c. per foot, set and filed.

Save Labor

Save Gumming

Save Time

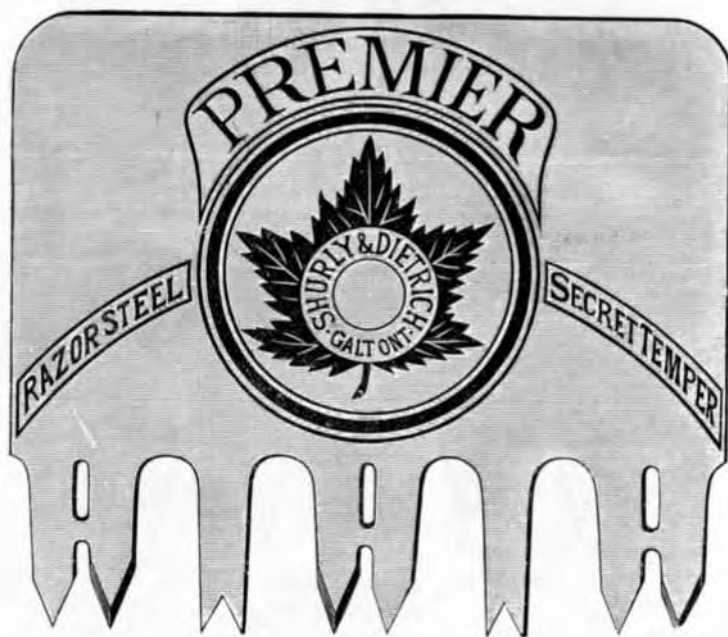
Save Files

It stands without a rival, and is the Fastest Cutting Saw in the world. It has beaten the best Canadian and American-made Saws $33\frac{1}{2}$ per cent. in every contest. Its superiority consists in its excellent temper. It is tempered under the Secret Chemical Process, which toughens and refines the steel. It gives a finer and keener cutting edge, and will hold it twice as long as by any other process. We have the sole right for this process for the Dominion of Canada and United States.

None Genuine that are not like the above cut, with registered trade mark with the words "The Lance," and Maple Leaf with our name.

The Premier Maple Leaf Cross-Cut Saw.

No. 5.



The "Premier" Cross cut Saw is an improvement on the old style Lance Tooth cross-cut saw. You will see by above cut that the teeth are slightly tapered from base to point of tooth. This allows the saw-dust to drop out of the spaces between cutting teeth more freely and prevents the saw from clogging.

The saw is made of Razor Steel, which is the finest steel ever used in the manufacture of saws. We have the sole control of this steel. It is tempered by our Secret Process, which process gives a keener cutting edge and a toughness to the steel that no other process can approach.

This saw is made with Single Section Cutting Teeth, and is a rapid cutting saw in soft wood.

None Genuine that are not like the above cut with registered trade mark with the word "Premier" and **Maple Leaf** with our name.

Lance-Tooth Cross-Cut Saws.

Refined Silver Steel.

No. 2.



These saws are put in perfect working order before leaving the factory, and teeth are protected with a shield.

Price 75 cents per foot, set and filed.

No. 3.



These saws are put in perfect working order before leaving the factory, and the teeth protected with a shield.

Price 65 cents per foot, set and filed.

Perforated Improved Champion.



We keep constantly in stock Saws as represented in above cut, and we make them with two cutting teeth between rakers or clearing teeth ; also, with single pointed rakers if desired.

Razor Steel (same quality as Maple Leaf Lance), 95 cents per foot, set and filed.
Silver Steel 55 " " "

Improved Champion.



Razor Steel, 90 cents per foot, set and filed. Silver Steel, 50 cents per foot, set and filed.

The Hanlan.



Razor Steel.....90 cents per foot, set and filed.

Genuine Diamond.



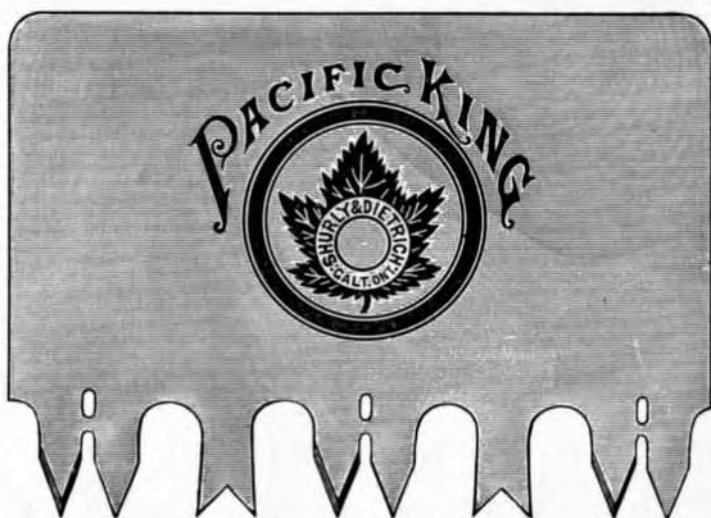
Razor Steel.....90 cents per foot, set and filed.

SHURLY & DIETRICH, GALT, ONT.

The Pacific King.

EXTRA REFINED RAZOR STEEL.

TAPER GROUND.



This saw is tempered under our secret chemical process, which toughens and refines the steel, which gives a finer and keener cutting edge.

This saw is specially adapted for sawing Douglas fir.

Made with or without perforations.

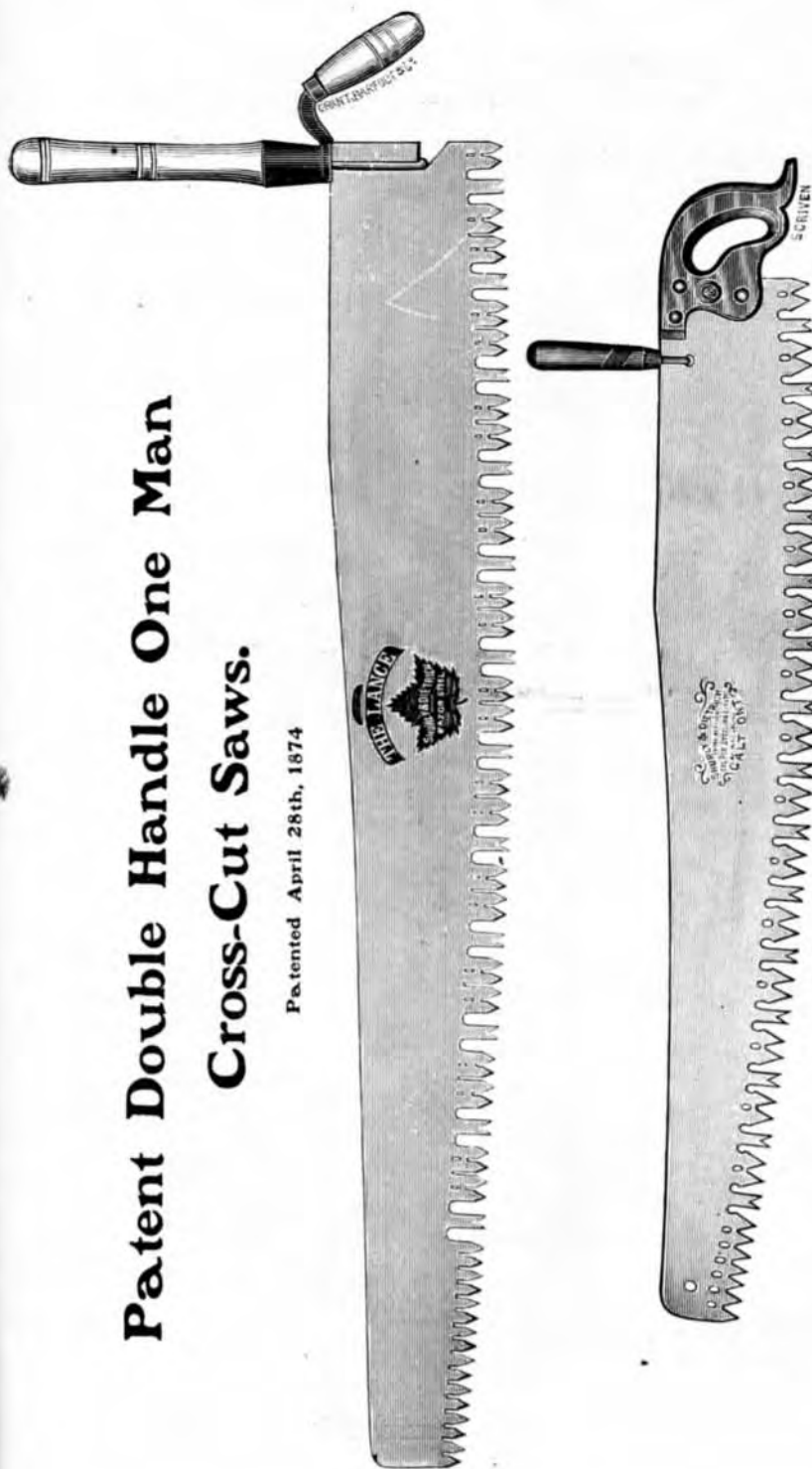
None genuine not like above. Cut and registered trade mark "**Maple Leaf.**"

Price per foot.....\$1.10.

Falling Saws same price as above.

Patent Double Handle One Man Cross-Cut Saws.

Patented April 28th, 1874



One Man Cross Cut Saws, made 3, 3½, 4, 4½, 5 and 5½ feet long.
 Sold by the foot same price as other cross-cut saws, any kind of tooth desired. Set and filed ready for use.
 Lion Handles 42 cents each extra,
 Common Hnadles 60 "
 Supplementary Handle 15 "

The Narrow Racer.



Narrow Racer, For Sawing Logs or Trees.

This Saw stands without a rival, and is the fastest cutting narrow saw in the world, working with LESS FRICTION and greater ease. For sawing all kinds of wood it has no equal.

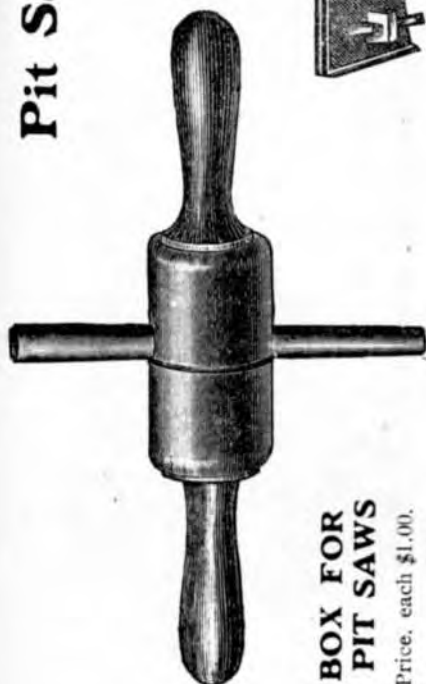
No. 0 Razor Steel	75 cents per foot.
No. 3 Silver Steel, Lance Tooth	45 "
No. 4 " Tattle Tooth with handles	40 "

Pit Saws and Handles

TILLER FOR PIT SAWS

Price.....\$1 25 each.

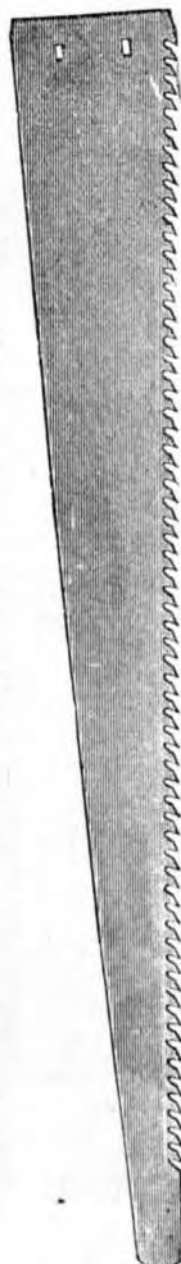
Tiller and Boxes for Pit Saws Complete, \$2.25.



**BOX FOR
PIT SAWS**

Price, each \$1.00.

SHURLY & DIETRICH'S
Warranted Extra Tempered Pit and Whip Saws



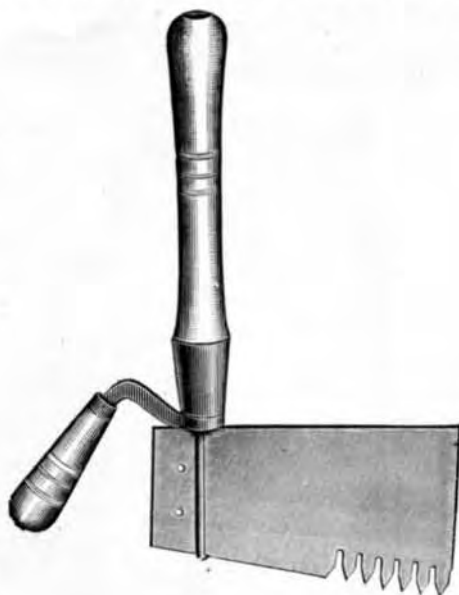
PIT SAWS, WITH TILLER AND BOX, COMPLETE

Length.....	5 ft.	5 1/2 ft.	6 ft.	6 1/2 ft.	7 ft.	7 1/2 ft.	8 ft.
10 1/2 in. Butt.....	\$6 00	6 40	6 80	7 20	7 60	8 00	8 50 each

WHIP SAWS, WITH TILLER AND BOX, COMPLETE

6 in. Butt.....	\$4 00	4 50	5 00	5 50	6 00	6 50	7 00 each
7 in. Butt.....	4 20	4 70	5 20	5 70	6 20	6 70	7 20 ..
8 in. Butt.....	4 40	4 90	5 40	5 90	6 40	6 90	7 40 ..

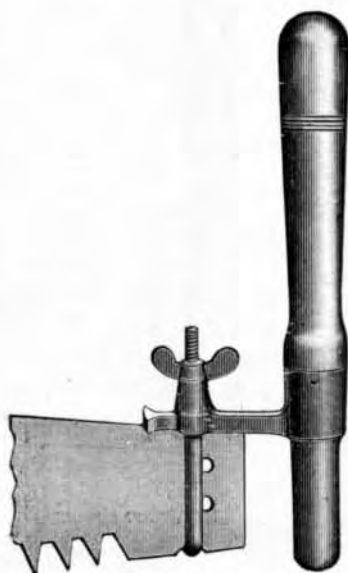
Patent Cross-Cut Saw Handles.



No. 2.—Lion.

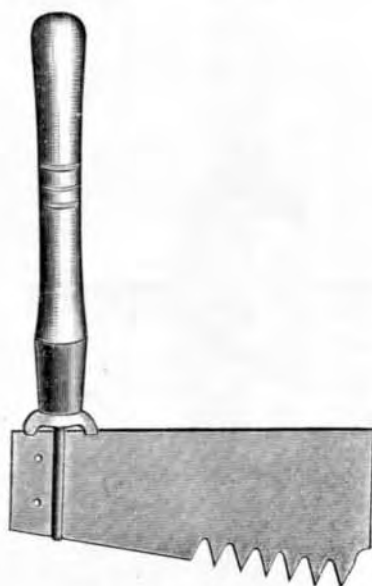
Lion Cross-Cut Saw Handle, Patented Sept. 6th, 1880.

Price 42 cents each.



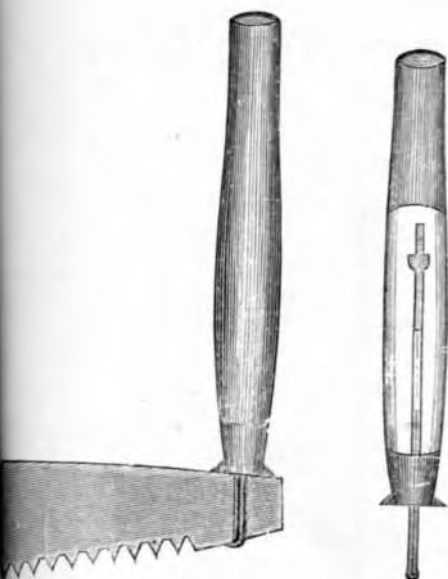
No. 5

No. 5 Handle, per pair, 40 cents.



No. 3

No. 3 Handle, per pair, 32 cents.



No. 11.

With Wrought Loop. Price per pair, 60c.

No. 12.—Gatineau.

Same as above, with heavy Malleable Loop.
Price per pair, 50c.

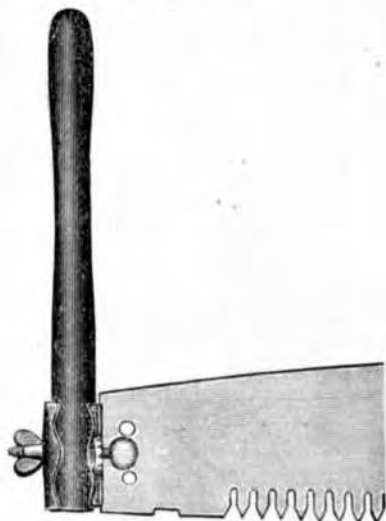


No. 9.

With Wrought Iron Loop. Per pair, 60c.

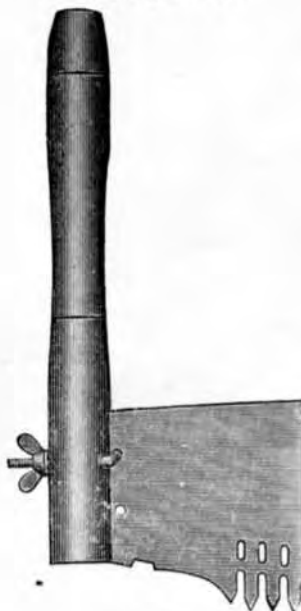
No. 10.

Same as above, with heavy. Malleable Loop.
Price per pair, 50c.



No. 4.

Excelsior Handle. Reversible.
Price per pair, 32 cents.

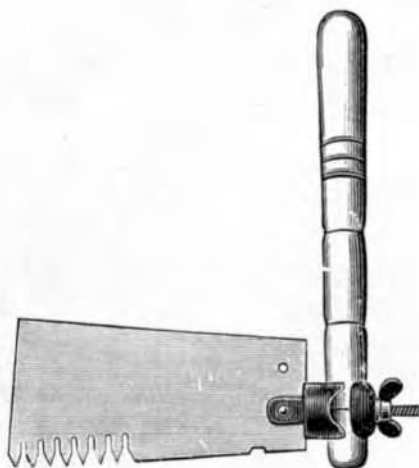


No. 7.

Price per pair, 24 cents.

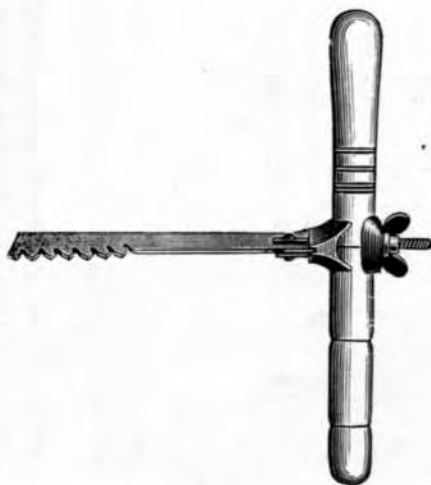
No. 6 Cross-Cut Saw Handles.

Patented 1381.



No. 6.

Price, per pair, 28 cents.



No. 6.

The above cut represents position for sawing down trees.

Hand Panel and Rip Saws, Patent Ground, Warranted.

No. 42

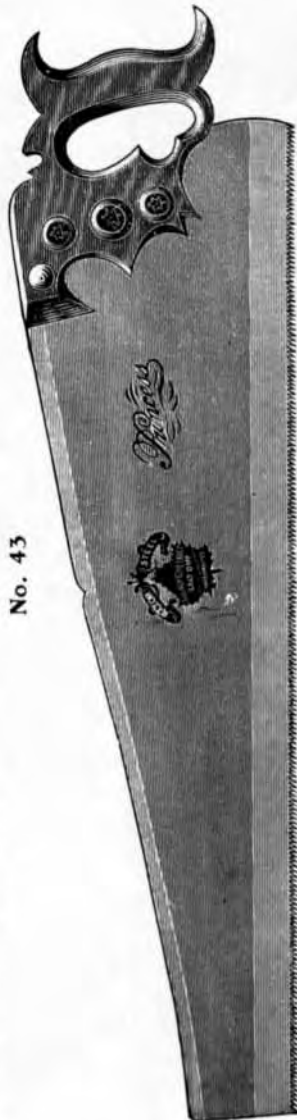


SHURLY & DIETRICH'S "EMPRESS."

Razor Steel, Highly Polished Blade, Apple Wood Handle, Raised Screws.

Length, inches.....	16	18	20	22	24	26	28	30
Price, per dozen.....	\$24.00	26.00	28.00	31.00	33.00	35.00	40.00	45.00

No. 43



SHURLY & DIETRICH'S "PRINCESS."

Razor Steel, Highly Polished Blade, Apple Wood Handle, Raised Screws.

Length, inches.....	16	18	20	22	24	26	28	30
Price, per dozen.....	\$22.00	24.00	26.00	28.00	31.00	33.00	36.00	40.00

Packed in 1.3 dozen Boxes.

No. 44.



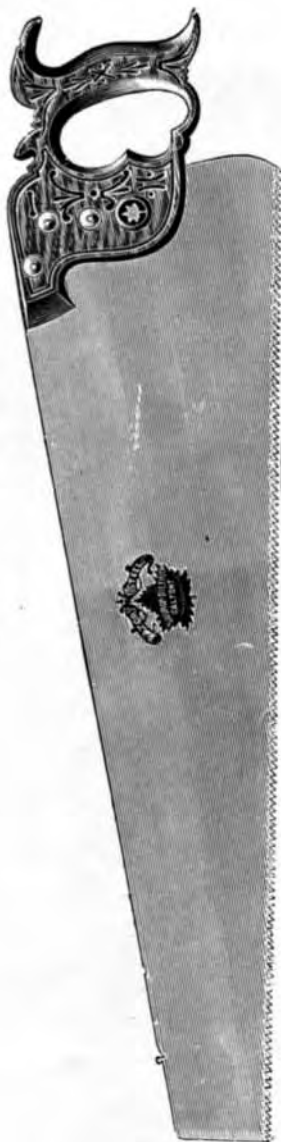
Shurly & Dietrich—"Eureka."

Razor Steel, Highly Polished Blade, Apple Wood Handle, Raised Screws.				
Length, inches.....	16	18	20	22
Price, per dozen	\$20.00	22.00	24.00	26.00
				28.00

Length, inches.....	16	18	20	22	24	26	28	30
Price, per dozen.....	\$20.00	22.00	24.00	26.00	28.00	30.00	34.00	39.00

Length, inches.....	16	18	20	22	24	26	28	30
Price, per dozen.....	\$20.00	22.00	24.00	26.00	28.00	30.00	34.00	39.00

No. 1.



Shurly & Dietrich.

Razor Steel, Highly Polished Blade, Straight Back, Carved Apple Wood Handle.

Length, inches	16	18	20	22	24	26	28	30
Price, per dozen	\$17.00	18.50	21.00	23.50	27.00	29.00	32.00	35.00

Length, inches	16	18	20	22	24	26	28	30
Price, per dozen	\$17.00	18.50	21.00	23.50	27.00	29.00	32.00	35.00

Packed in 1-3 Dozen Cases.

No. 45.



Shurly & Dietrich—"D. S."

Razor Steel, Highly Finished Blade, Apple Wood Handle, Raised Screws.								
Length, inches	16	18	20	22	24	26	28	30
Price, per dozen	\$17.50	19.50	21.50	23.50	25.50	27.50	30.50	33.50

No. 1900.



Shurly & Dietrich.

Razor Steel, Satin Finished Blade, Apple Wood Handle, Raised Screws.									
Length, inches	16	18	20	22	24	26	28	30	
Price, per dozen	\$16.50	18.00	20.00	22.00	24.00	25.00	28.00	30.00	

Packed in 1-3 Dozen Boxes.

Packed in 1-3 Dozen Boxes.

No. 2



SHURLY & DIETRICH—"S. & D."

Razor Steel, Satin Finished Blade, Apple Wood Handle, Raised Screws.

Length, inches.	16	18	20	22	24	26	28	30
Price, per dozen.	\$15.00	17.00	19.00	21.00	23.00	24.00	27.00	29.00

No. 50



SHURLY & DIETRICH—"BUILDERS' FAVORITE."

Silver Steel, Apple Wood Handle, Raised Screws.

Length, inches.	16	18	20	22	24	26	28	30
Price, per dozen.	\$14.00	15.50	17.00	18.50	20.00	21.50	24.00	26.50

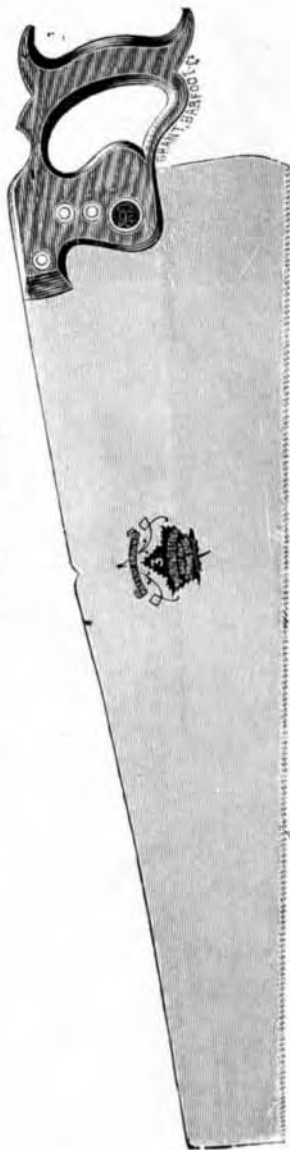
No. 52

Same as above with Beech Handle.

Length, inches.	16	18	20	22	24	26	28	30
Price, per dozen.	\$11.50	13.00	14.50	16.00	17.50	19.00	21.50	24.50

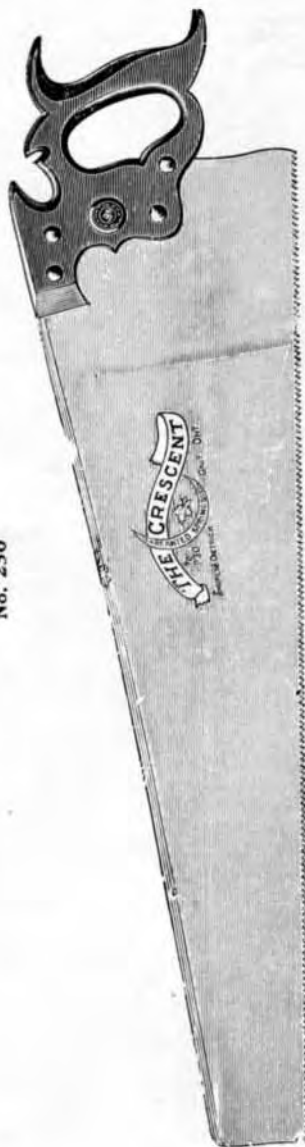
Packed in 1-3 dozen boxes.

No. 3

**Shurly & Dietrich**

Length, inches.....	Spring Steel, Warranted.		Beech Handle.	
	16	18	20	22
Price, per dozen	\$13.50	14.75	16.00	17.25
			24	26
			19.50	21.00
				28
				23.50

No. 230

**Shurly & Dietrich**

Length, inches.....	Refined Spring Steel, Grained Blade,		Beech Handle, Extra Flush Screws.	
	16	18	20	22
Price, per dozen	\$13.00	14.50	15.75	17.00
			24	26
			19.00	20.50
				28
				23.00

Packed in 1-3 Dozen Boxes.

No. 4 ½



SHURLY & DIETRICH

Length, inches..	Spring Steel, Warranted.		Beech Handle.	
	16	18	20	22
Price, per dozen	\$9.50	12.00	14.50	16.00
		24	26	28
		18.00	20.00	22.50

No. 5 ½

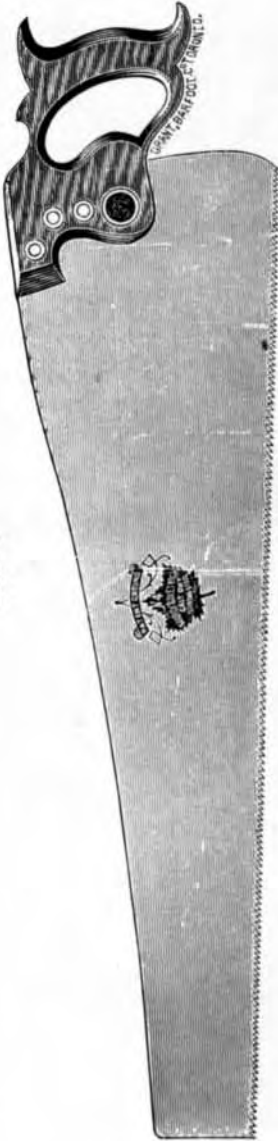


SHURLY & DIETRICH

Length, inches..	Spring Steel, Warranted.		Beech Handle.	
	16	18	20	22
Price, per dozen	\$9.50	12.00	14.50	16.00
		24	26	28
		18.00	20.00	22.50

Packed in 1-3 Dozen Boxes

No. 4.



SHURLY & DIETRICH

	Spring Steel, Warranted.	Beech Handle.
Length, inches.....	16 18 20	
Price per dozen.....	\$9.00 11.50 14.00	

28
21.00

26
18.00

24
17.50

22
15.50

No. 5.



SHURLY & DIETRICH

	Spring Steel, Warranted.	Beech Handle.
Length, inches.....	16 18 20	
Price per dozen.....	\$9.00 11.50 14.00	

28
21.00

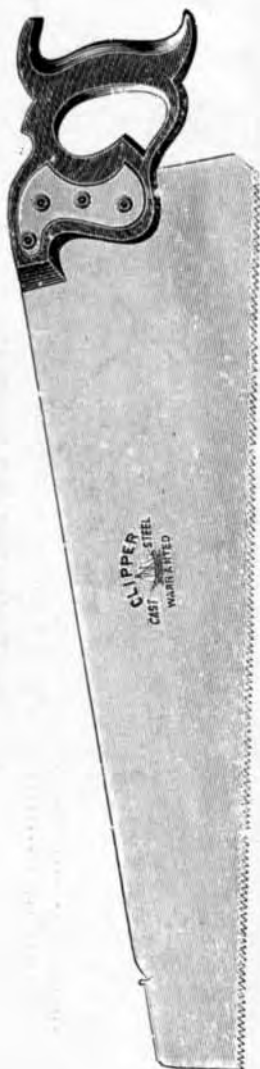
26
18.00

24
17.50

22
15.50

PACKED IN 1-3 DOZEN BOXES.

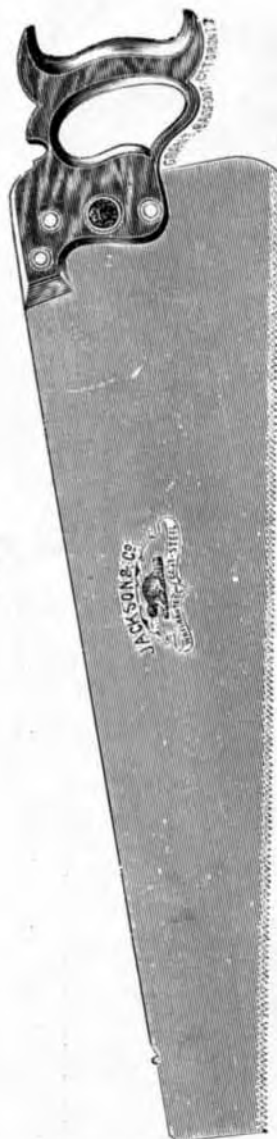
No. 6



CLIPPER

Length, inches	26	28
Price per dozen	\$15.00	17.00

No. 7



JACKSON & CO.

Cast-Steel.

Length, inches	16	18	20	22	24	26	28
Price per dozen	\$7.50	7.75	8.50	10.50	13.50	15.50	17.50

PACKED IN 1-3 DOZEN BOXES.

No. 225



Superb.

Length, inches.....	16	18	20	22	24	26	28
Price, per dozen.....	\$10.00	10.50	10.50	13.00	14.50	15.50	17.00

No. 265



Columbia.

Length, inches.....	16	18	20	22	24	26	28
Price, per dozen.....	\$ 9.50	10.00	11.00	12.00	13.00	14.00	

PACKED IN 1-3 DOZEN BOXES.

No. 700

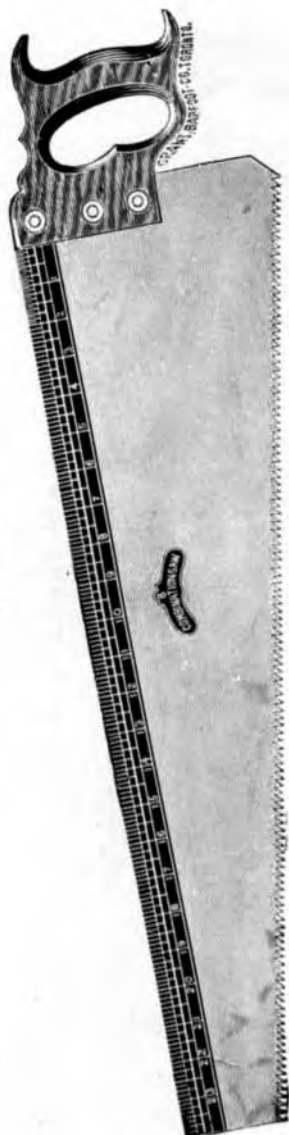


“Blue Beard”

Length, inches	16	18	20	22	24	25	28
Price, per dozen.....	\$8.50	9.00	10.00	11.00	12.50	13.00	14.00

Packed in 1-3 Dozen Boxes

No. 8.



COMBINATION.

Cast-Steel.

Length, 26 inches..... \$11.50 per dozen

No. 9.



BROWN & CO.

Cast-Steel.

Length, Inches.....	16	18	20	22	24	26	28
Price per dozen	\$ 7.50	7.75	8.00	9.00	10.00	11.00	12.50

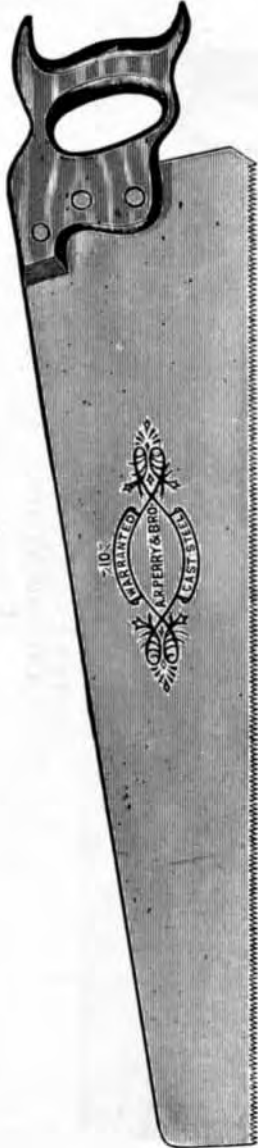
No. 25.



ENTERPRISE.
Cast-Steel.

Length, inches.....	26	28
Price, per dozen.....	\$10.25	12.00

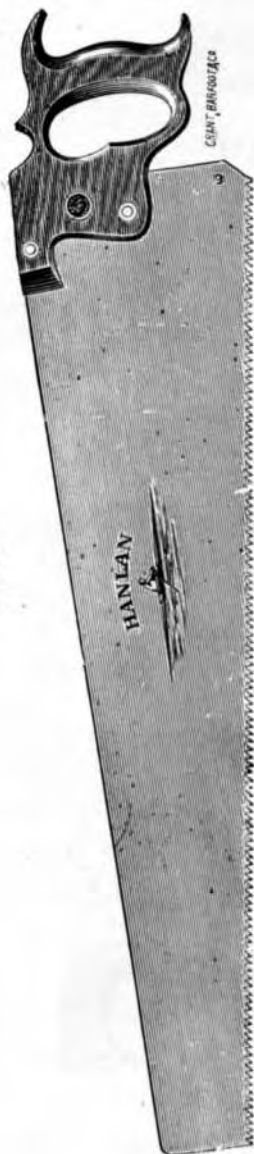
No. 10.



A. R. PERRY & BRO.

Length, inches.....	16	18	20	22	24	26	28
Price, per dozen.....	\$ 5.95	6.00	6.10	6.20	6.40	6.50	7.00

No. 11

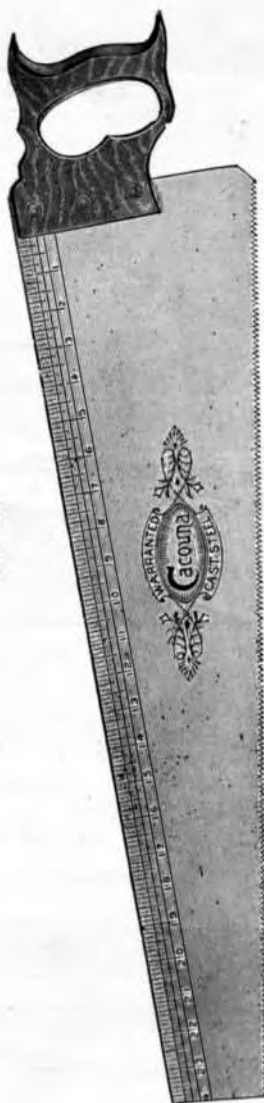


Hanlan

Cast-Steel.

Length, 26 inches \$8.00 per dozen.

No. 40



Cacouna

Combination Saw

Length, 26 inches \$9.00 per dozen.

Gents' Half Back Saws



No. 12. Razor Steel, Highly Polished Blade, Warranted.
Apple Wood Handle.

Length, inches	16	18	20	22
Price, per dozen	\$19.75	21.75	24.50	27.25

No. 13. Silver Steel, Warranted. Beech Handle.

Length, inches	16	18	20	22
Price, per dozen	\$17.00	19.00	21.00	23.00

Movable Back Panel Saws

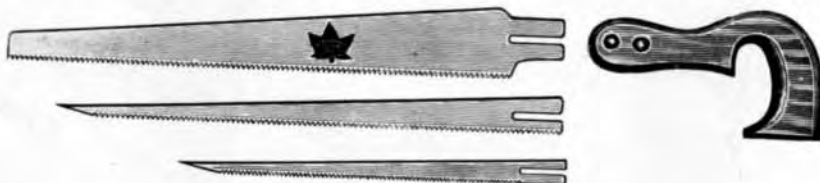


No. 14

Length, inches	16	18	20	22	24	26
Price, per dozen	\$13.00	15.00	17.00	19.00	21.00	23.00

Nest of Saws

No. 23. Combining one each keyhole, compass and table or pruning saw.



Handles and Screws	\$2 50 per dozen
Keyhole Blades, 8 inch	1.75 "
Compass Blades, 12 inch	3 00 "
Pruning Blades	6 00 "

\$13 25

Three sets in a box.

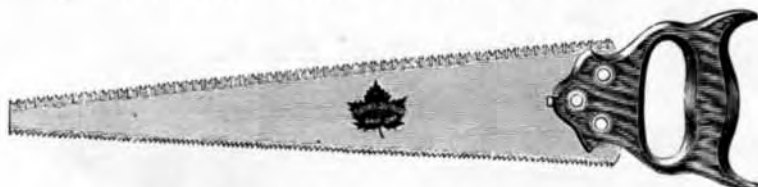
Pruning Saws



Length, inches	14	16	18	20
No. 15—Price, per dozen	\$7.50	8.50	9.50	10.50
No. 16— " "	\$6.00	7.00	7.50	8.00

No. 15 are Taper Ground thin on Back.

Double Edge Pruning Saws



COARSE TEETH ON ONE SIDE, FINE ON THE OTHER.

No. 17—Length, 18 inches Price, \$8.00 per dozen

Compass Saws



Length, inches.....	10	12	14	16	18
No. 18—Razor Steel, per dozen	\$5.25	5.50	5.75	6.00	6.25
" 19—Silver Steel, "	\$3.50	3.75	4.00	4.25	4.50
" 20—Cast Steel, "	\$3.25	3.50	3.75	4.00	4.25

Numbers 18 and 19 are ground thin on back.

Compass Saw Blades Only

Length, inches.....	10	12	14	16	18
No. 18—Razor Steel, per dozen	\$3.25	3.75	4.25	4.75	5.25
" 19—Silver Steel, "	\$2.50	3.00	3.50	4.00	4.50
" 20—Cast Steel, "	\$2.25	2.75	3.25	3.50	3.75

Numbers 18 and 19 are ground thin on back.

Back Saws.



No. 1. Shurly & Dietrich. Razor Steel, Highly Polished Blade, Polished Steel Back, Etched Apple Wood Handle.

Length, inches....	8	10	12	14	16	18	20
Price, per dozen ...	\$17.00	19.00	22.00	25.00	28.00	31.00	34.00

Polished Steel Back.



No. 2. Shurly & Dietrich. Extra Refined Silver Steel, Polished Back, Etched. Beech Handle.

Length, inches.....	8	10	12	14	16	18	20
Price, per dozen.....	\$13.50	15.50	17.50	19.50	22.00	25.00	29.00

No. 3, same as above.

Blue Back.

No. 3. Shurly & Dietrich. Extra Refined Spring Steel, Blue Black, Etched. Beech Handle.

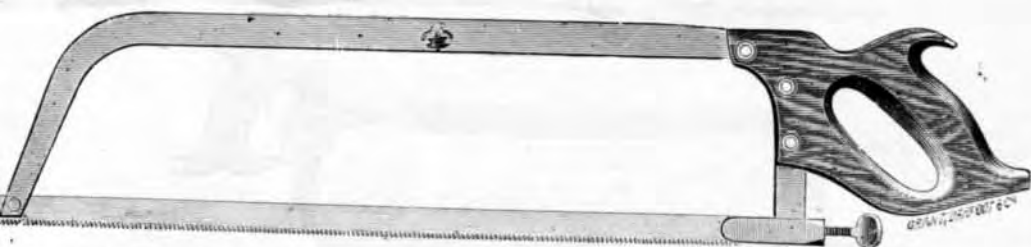
Length, inches.....	8	10	12	14	16	18*	20
Price, per dozen.....	\$14.50	16.50	18.50	20.50	25.00	26.00	30.00



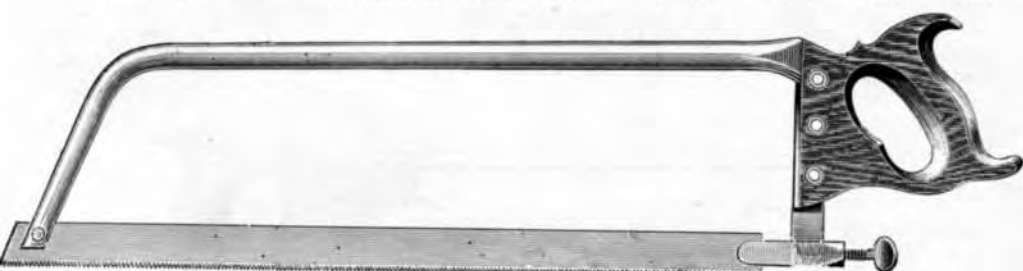
No. 7. Jackson & Co. Cast-Steel, Polished Back, Etched. Beech Handle.

Length, inches.....	8	10	12	14	16	18
Price, per dozen.....	\$10.00	12.00	14.00	16.00	18.00	20.00

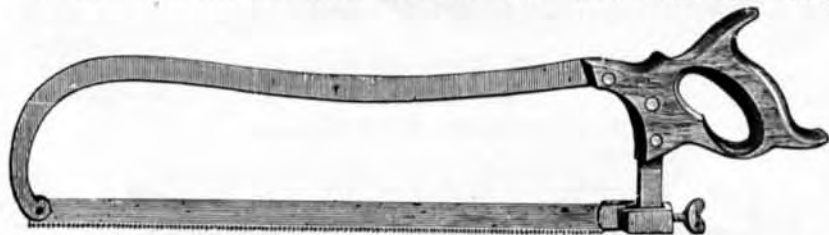
Butcher Saws, Warranted.



No. 1—Flat Steel Back. Length, inches	20	22	24	26
Price, per dozen	\$25.00	26.00	27.00	28.00



No. 2—Oval Back. Length, inches	14	16	18	20	22	24	26
Price, per dozen	\$14.75	16.00	17.35	18.50	19.00	20.75	21.85



No. 3—Flat Steel Back. Length, inches	16	18	20	22	24	26
Price, per dozen	\$18.20	20.50	22.40	25.20	28.00	30.80



No. 4—Pork Packers', Silver Steel, with Patent Buckle, Warranted.

No. 5—Cast-Steel, without Buckle.

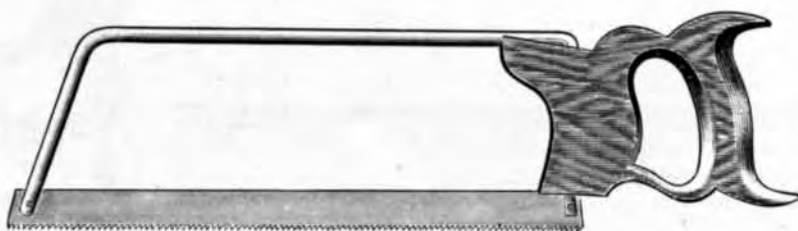
Length, inches	14	16	18	20
No. 4—Price, per dozen	\$15.25	16.00	17.00	18.00
No. 5— " " " "	12.00	13.55	14.45	15.10

Kitchen Saws



No. 6—Flat Back.

Length, inches.....	12	14	16	18	20
Price, per dozen.....	\$11.00	11.60	12.55	13.45	14.00



No. 7.—Round Iron Back.

Length, 14 inches.....Price. \$8.00 per dozen.

We only make this Saw in one length.



No. 8—Flat Back.

Length, inches.....	12
Price, Per dozen.....	\$9.00



No. 9.

Length, 12 inches.....Price \$5.75 per dozen.

Kitchen Saws**No. 10. Round Iron Back.**

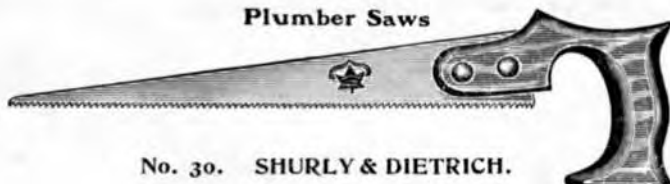
Length, 14 inches.

We only make this Saw in one length.

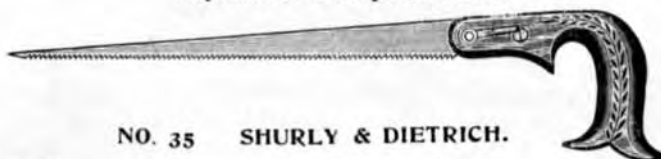
Price, \$5.75 per dozen

Grafting Saws

No. 25. SHURLY & DIETRICH.	Etched Silver Steel.		Warranted.		Beech Handles.	
Length in inches	10	12	14	16	18	20
Price, per dozen	\$6.40	7.35	8.50	11.00	13.50	16 00

Plumber Saws**No. 30. SHURLY & DIETRICH.**

	Etched Extra Refined Razor Steel.		Beech Handles.		Ground thin on back.	
Length in inches	10	12	14	16	18	
Price, per dozen	\$5.50	5.75	6.10	6.60	7 25	

Adjustable Compass Saws**NO. 35 SHURLY & DIETRICH.**

	Etched Extra Refined Razor Steel.		Apple-wood Handles		Ground thin on back.	
Length in inches	10	12	14	16	18	
Price, per dozen	\$7 50	7.75	8 00	8.25	8.50	

Adjustable Back Saws**No. 36. SHURLY & DIETRICH.**

	Etched Extra Refined Razor Steel		Apple-wood Handles.		Blued	Will rip or cross-cut	
Length in inches	12	14	16	18	20	22	24
Price, per dozen	\$25.00	27.50	30.00	32.50	35.00	37.50	40.00

Key Hole Saw, with Handle



Length, inches,	8	10	12
No. 21—Price, per dozen	\$2 50	2.75	3.00

Iron Pad, Frett or Key Hole Saw



No. 22.—8 inch Blade and Handle, \$3.00 per dozen.

Length, inches	8	9	10	11	12	14
Blades only. Price per dozen	\$1.75	1.85	2 00	2.15	2.25	2.50

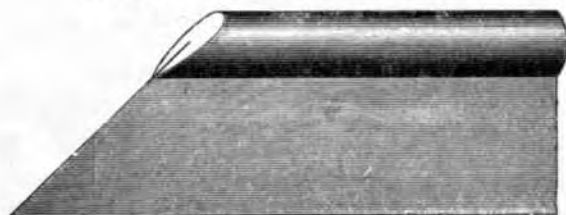
Pointing



Trowels

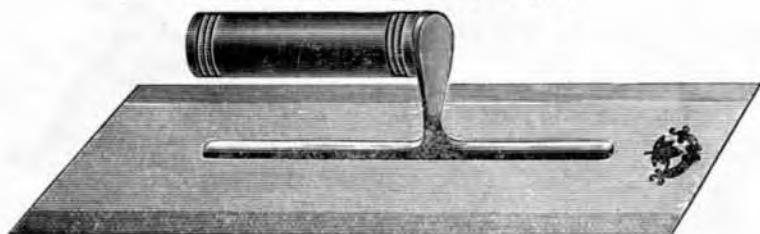
Length, inches ...	5	5½	6
No. 3—Razor Steel. Price, per dozen	\$6 00	6.25	6.50
No. 4.—Silver Steel. " "	\$5.00	5.25	5.50

Masons' Mitre Rods



With Back	10 cents per inch face
Without Back	7 " " "

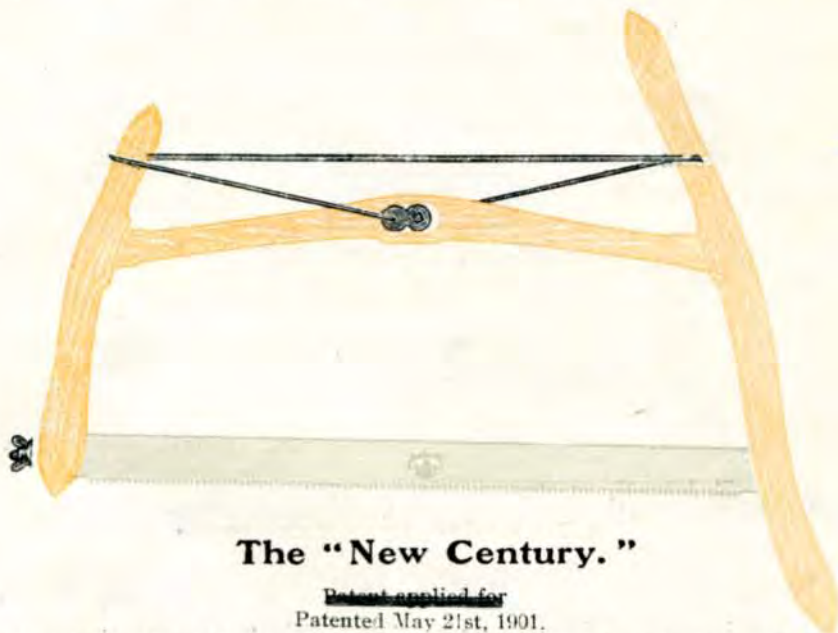
Plastering Trowels



Razor Steel, Highly Polished Blade.

Length, inches	10	10½	11	11½	12	12½	13
No. 1—Price, per dozen	\$16 00	17 00	18 00	19.00	20.00	21 00	22 00
No. 2.—Silver Steel, per dozen	\$12.00	12 60	13 20	13 80	14.40	15.00	15.60

Wood Saws Framed.



The "New Century."

Patent applied for
Patented May 21st, 1901.

The material used is of the very highest quality. The best braced, strongest and most durable frame ever made. The quality will always be kept at its present standard. Frames selected and varnished.

Extra Refined Razor Steel Blades, set and filed ready for use. Packed and set up in $\frac{1}{2}$ doz. bundles.

Complete, per dozen 30 in. \$12.00 ; 32 in. \$13.00 ; 34 in. \$14.00 ; 36 in. \$15.00.

Wood Saw Frames.

Happy Medium, complete, 30 inches, per dozen	\$2.50
" " Cross Bars only, "	1.25
" " Long Ends, "	85
" " Short Ends, "	85
Watch Spring, complete, 30 inches, per dozen	\$2.50
" " Cross Bars only, "	1.25
" " Long Ends, "	85
" " Short Ends, "	85
No. 1, S & D, complete, 30 inches, per dozen	\$2.00
" " Cross Bars only, "	50
" " Long Ends, "	85
" " Short Ends, "	85
No. 2, Douglass', complete, 30 inches, per dozen	\$1.80
" " Cross Bars only, "	40
" " Long Ends, "	75
" " Short Ends, "	75

Frames painted red extra.

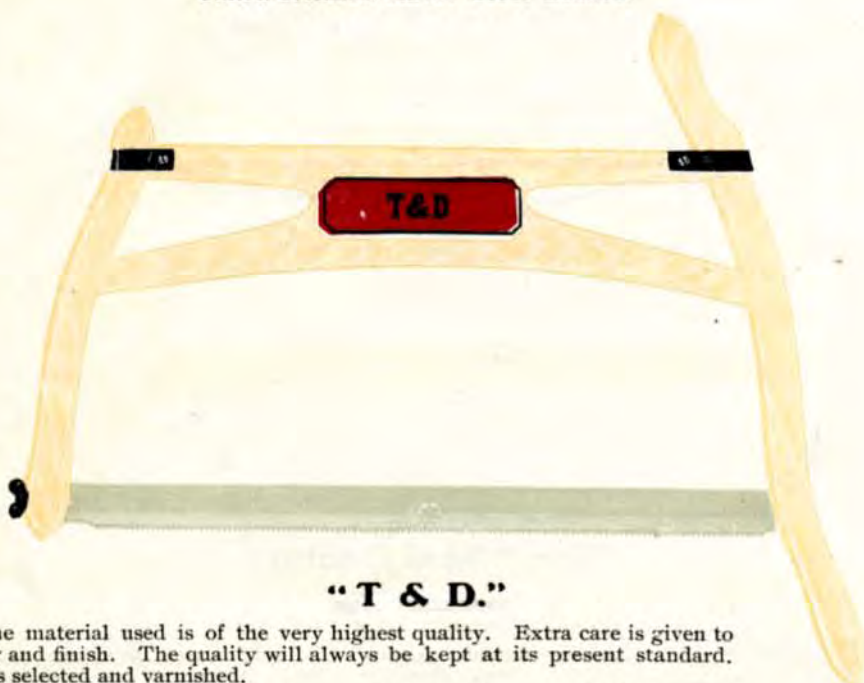
Saw Rods.



No. 37—Length, inches,	20	21	22	24	26
Price, per dozen,	\$1.45	\$1.45	\$1.50	\$1.50	\$1.60

Wood Saws Framed.

Extra Refined Razor Steel Blades:



"T & D."

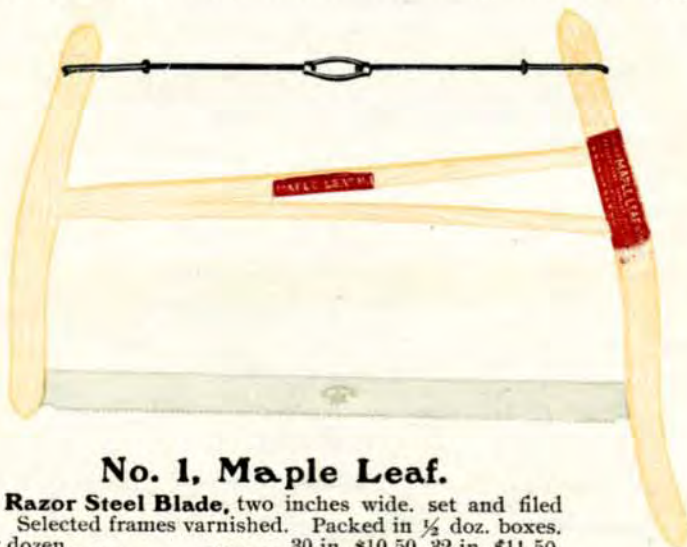
The material used is of the very highest quality. Extra care is given to temper and finish. The quality will always be kept at its present standard. Frames selected and varnished.

Refined Razor Steel Blade, two inches wide, set and filed ready for use. Packed and set up in $\frac{1}{2}$ doz. Bundles.

Complete, per dozen 30 in. \$12.00, 32 in. \$13.00

"T & D" Blades, length, inches..... 30 32

Price, per dozen sets filed..... \$9.00 \$10.00



No. 1, Maple Leaf.

Refined Razor Steel Blade, two inches wide, set and filed ready for use. Selected frames varnished. Packed in $\frac{1}{2}$ doz. boxes. Complete, per dozen..... 30 in. \$10.50, 32 in. \$11.50.

No. 1 Maple Leaf Blades; length, inches..... 30 32 34 36

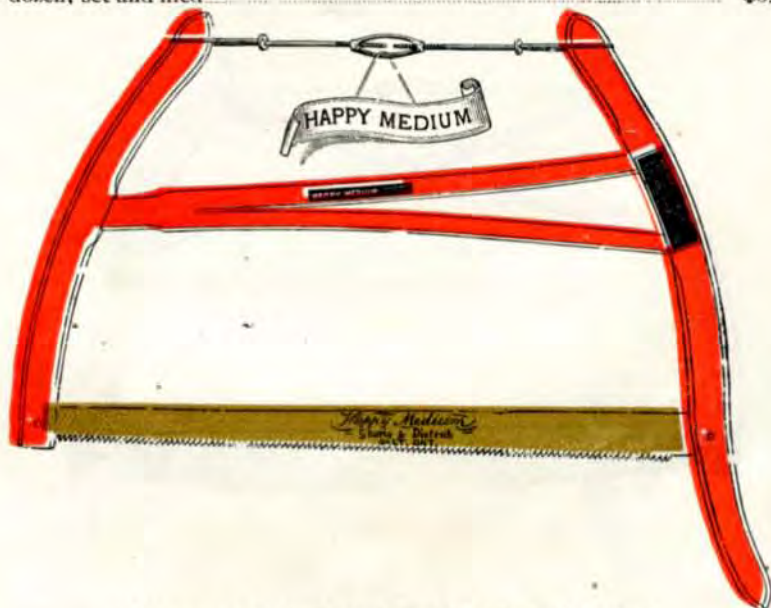
Price, per dozen, set and filed..... \$9.00 10.00 \$11.50 \$13.00

Wood Saws Framed.**" Handy "**

Extra Straw Color, tempered blade, tapered, set and filed ready for use. Packed in $\frac{1}{2}$ doz Boxes. Complete, per dozen, 30 inches. \$9.00

Handy Blades.

Length, inches	30	32
Price per dozen, set and filed	\$5.50	6.25

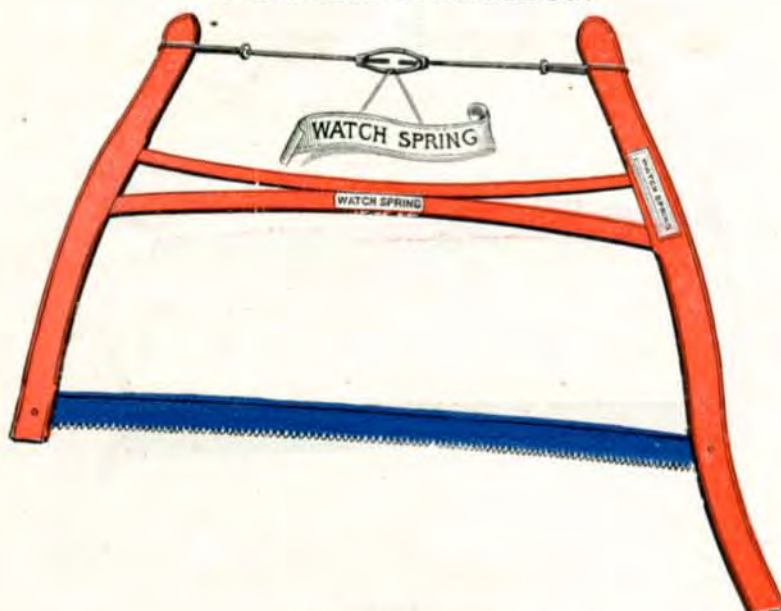
**" Happy Medium "—Patented August 21st, 1878.**

Extra Straw-Color tempered Blade. Tapered, set and filed ready for use. Packed in $\frac{1}{2}$ dozen Boxes. Complete, per dozen 30 inches. \$7.00

Happy Medium Blades.

Length, inches	30	32	34	36
Price per dozen, set and filed	\$5.50	6.25	7.00	8.00

Wood Saws Framed.

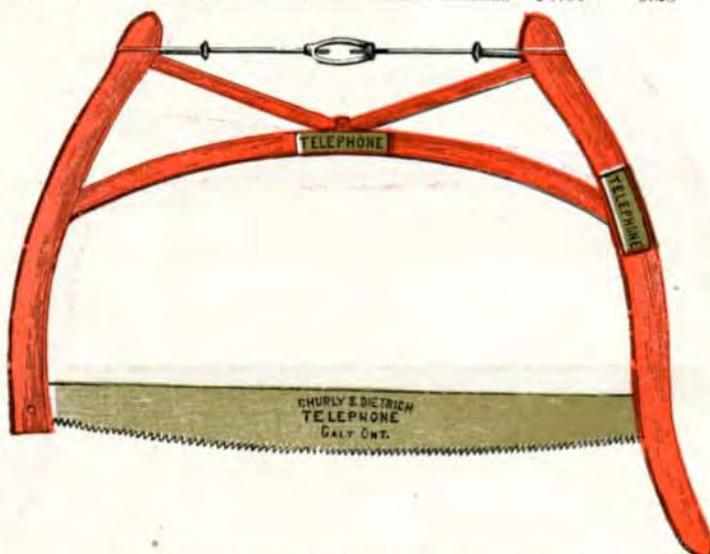


"Watch Spring"

Extra Blue Blade, $1\frac{3}{4}$ inches wide. Crescent cut, set and filed ready for use. Packed in $\frac{1}{2}$ doz. Boxes. Complete per dozen; 30 inches \$7.00

Watch Spring Blades.

Length, inches.	30	32	34	36
Price per dozen, set and filed	\$5.50	6.25	7.00	8.00



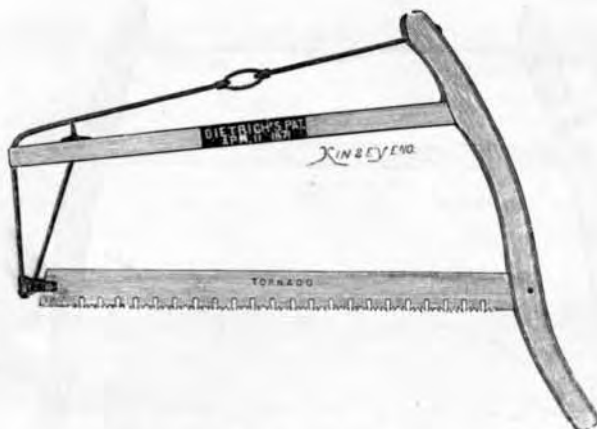
"Telephone"

Silver Steel Blade. Bow, Belly, $2\frac{1}{4}$ inches wide. Set and filed ready for use. Packed in $\frac{1}{2}$ doz. Boxes. Complete per dozen, 30 inches \$8.00

Telephone Blades.

Length, inches.	30	32	34	36
Price per dozen, set and filed	\$6.00	6.75	7.50	8.50

Wood Saws, Framed.



PATENT FRAME WOOD SAWS

No 1.—With Common Tooth Webb, 2 inches wide, set and filed.....	\$11.00 per dozen
No 2.—With Lightning " 2 " " ".....	12.00 "

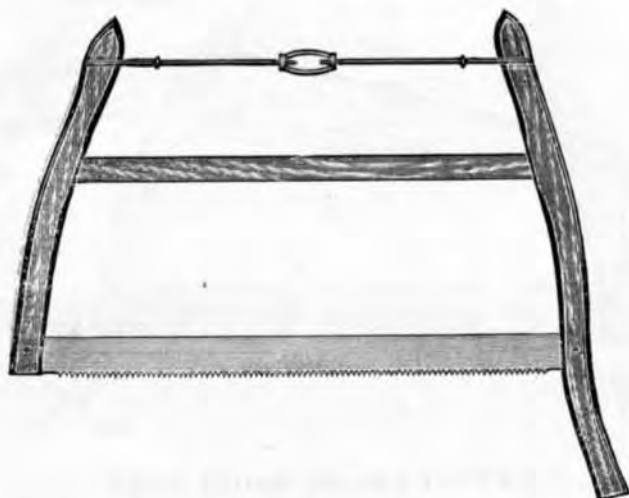


"HAPPY MEDIUM"

Patented August 21st, 1878

No. 3.—With Common Tooth Webb, 2 1/4 in. wide, set and filed, 30 inch.....	\$ 8.00 per dozen
" 4.— " Combination " 2 1/4 " " " 30 ".....	12.00 "
" 5.— " Lightning " 2 " " " 30 ".....	12.00 "
" 6.— " Common " 2 " " " 30 ".....	7.00 "

Wood Saws, Framed.



With Loop Rod Stamped "Shurly & Dietrich." Warranted.

Common Tooth—Not Set and Filed.

	Length, inches	30	32	34	36
No. 7.—With 2 inch Web.	Price, per dozen	\$6.75	7.25	8.25	9.25
No. 8.— " 2½ "	" " "	8.00	9.00	10.00	11.00

Common Tooth—Set and Filed.

	Length, inches	30	32	34	36
No. 9.—With 2 inch Web.	Price, per dozen	\$7.00	8.00	9.00	10.00
No. 10.— " 2½ "	" " "	9.00	10.00	11.00	12.00

Lightning Tooth—Not Set and Filed.

	Length, inches	30	32	34	36
No. 11.—With 2 inch Web.	Price, per dozen	\$9.50	10.00	10.50	11.00

Lightning Tooth—Set and Filed.

	Length, inches	30	32	34	36
No. 12.—With 2 inch Web.	Price, per dozen	\$11.00	11.50	12.00	13.00

Combination Tooth—Not Set and Filed.

	Length, inches	30	32
No. 13.—Price, per dozen		\$10.00	12.00

Combination Tooth—Set and Filed.

	Length, inches	30	32
No. 14.—Price, per dozen		\$12.00	13.50

Common Tooth—Stamped "J. Douglass"—Set and Filed.

	Length, inches	30	32
No. 15.—With 2 inch Web.	Price, per dozen	\$6.50	7.25

J. Douglas—Not Set and Filed.

	Length, inches	30	32
No. 16.—With 2 inch Web.	Price, per dozen	\$6.25	7.00

Wood Saw Blades.

Stamped "Shurly & Dietrich"—Common Tooth—Not Set and Filed.

Length in inches	30	32	34	36
No. 17.—2 inch wide. Price, per dozen	\$5.00	5.50	6.25	7.25
No. 18.—2¼ inch wide. Price, per dozen	5.50	6.25	7.00	8.00

Stamped "Shurly & Dietrich"—Common Tooth—Set and Filed.

Length in inches	30	32	34	36
No. 19.—2 inch wide. Price, per dozen	\$5.50	6.25	7.00	8.00
No. 2.—2¼ inch wide. Price, per dozen	6.00	6.75	7.50	8.50

Stamped "Shurly & Dietrich"—Lightning Tooth—Not Set and Filed.

Length, in inches	30	32	34	36
No. 21.—2 inch wide. Price, per dozen	\$7.20	7.50	8.00	8.70

Stamped "Shurly & Dietrich"—Lightning Tooth—Set and Filed.

Length, in inches	30	32	34	36
No. 22.—2¼ inch wide. Price, per dozen	\$9.00	9.50	10.00	10.50

Etched "Shurly & Dietrich"—Combination Tooth.

Length, in inches	30	32	34	36
No. 23.—Not Set and Filed. Price, per dozen	\$8.50	9.25	10.00	11.00
No. 24.—Set and Filed. Price, per dozen	10.00	10.75	11.50	12.35

Etched "Shurly & Dietrich"—Lance Tooth.

Length, in inches	30	32	34	36
No. 50.—Not Set and Filed. Price, per dozen	\$9.75	10.50	11.75	13.00
No. 51.—Set and Filed. Price, per dozen	11.00	12.00	13.25	14.50

Extra Refined Razor Steel Blades.

Etched "Shurly & Dietrich"—Fully Warranted—Common Tooth.

Length, in inches	30	32	34	36
No. 25.—Set and Filed. 2¼ inch wide. Price per doz.	\$9.00	10.00	11.50	13.00

Stamped "J. Douglas"—Common Tooth.

Length, in inches	30	32	34	36
No. 26.—Set and Filed. Price per dozen	\$4.50	5.00	5.75	6.50
No. 27.—Not Set and Filed. Price per dozen	4.00	4.50	5.25	6.00

Extra Refined Razor Steel Canada Webs.

Etched "Shurly & Dietrich"—Fully Warranted.

Length in inches	36	42	48	51	54	60
No. 28.—3½ in. wide, price per doz.	\$9.00	11.00	13.00	14.00	15.00	17.00

Webbs, Frett Saw Blades, Hack Saw, Cabinet, Scrapers and Straw Knives.

Extra Silver Steel Butcher Webs.

	Length, inches.....	12	14	16	18	20	22	24	26
No. 29—2 in. wide, per doz.		\$5.50	6.25	7.50	8.00	9.00	10.00	11.75	12.50
" 30—1½ " "		4.60	5.40	6.40	7.00	7.85	8.75	10.25	11.40
" 31—1¼ " "		4.20	4.50	5.20	5.75	6.25	6.75	7.25	8.00
" 32—1 " "		3.75	4.25	5.00	5.50	6.00	6.50	7.00	7.75
" 40—Clock Spring Blades		5.20	5.50	6.20	6.75	7.25	7.75	8.25	9.00

Clock Spring Blades, Blued, $\frac{3}{4}$ inch wide, in 50 feet coils, 25 cents per foot.

Silver Steel Felloe Webs.

	Length, inches	10	12	14	16	18	20	26
No. 35—Price, per dozen		\$2.25	3.05	3.55	4.10	4.60	5.10	5.60
	Length, inches	24	26	28	30	32	34	32
No. 33—Price, per dozen		\$6.15	6.65	7.15	7.65	8.20	8.70	9.25

17 to 14 gauge, from $\frac{3}{8}$ to 1 inch wide, bevelled backs. For each quarter inch extra width, 10 per cent. added to above prices.

Silver Steel Turning or Chair Webs.

	Length, inches	6	7	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36
No. 34—Per dozen		\$1.50	1.60	1.65	1.80	2.10	2.40	2.65	2.95	3.20	3.75	4.25	4.90	5.35	5.85	6.10	6.50	7.2

20 to 17 gauge, $\frac{1}{4}$ to $\frac{3}{4}$ inches wide.

Silver Steel Key Hole or Fret Saw Blades.

	Length, inches	6	7	8	9	10	11	12	13	14
No. 35—Price, per dozen		\$1.50	1.60	1.75	1.85	2.00	2.15	2.25	2.40	4.00

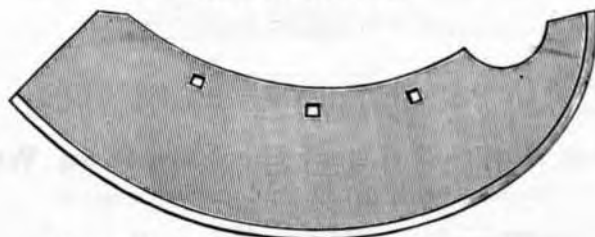
Silver Steel Iron Webs or Hack Saws.

For Sawing Metal

	Length, inches.....	6	7	8	9	10	11	12	14
No. 36—Price, per dozen		\$1.80	2.10	2.40	2.70	3.15	3.45	3.90	4.50

Cabinet Scrapers, All Sizes, \$1.50 per Dozen.

STRAW KNIVES



Straw Knives Made to Order, Any Pattern.

Saw Handles.



Carved Saw Handles, all sizes	\$6.00 per dozen.
Eureka " Polished Apple Wood, all sizes	6.00 "
No. 45 " Varnished " "	5.00 "



No. 5 Saw Handles, all sizes	\$2.25 per dozen
No. 7 " "	2.00 "



No. 9 Saw	Handles, all sizes	\$1.50 per dozen.
No. 10	" "	1.25 "
Back	" "	1.50 "
Butcher	" "	1.75 "
Compass	" "	1.25 "

Brass Saw Screws.

No. 01	Flush	27	cents per dozen.
" 1	Raised, Oval Head	35	"
" 13	Raised, Flat Head	40	"
" 20	Embossed, Small	60	"
" 20	Embossed, Large	75	"

Adam Dunn's Patent Lawn Rake.



THE ABOVE REPRESENTS THE LATEST IMPROVED RAKE FOR CLEANING LAWNS.

It is Patented in Canada and other Foreign Countries.

It is the only Rake made that will remove dandelion heads, or any other weeds of like nature, and by preventing them from maturing and re-seeding will in a season or two completely eradicate them from the lawn. This no other rake will do. The blade is made of the finest quality of steel and is light and durable. A trial is the most convincing proof of its merit.

Price, per dozen \$10.00

The "New Century" Sidewalk and Stable Scraper.

Patent applied for.



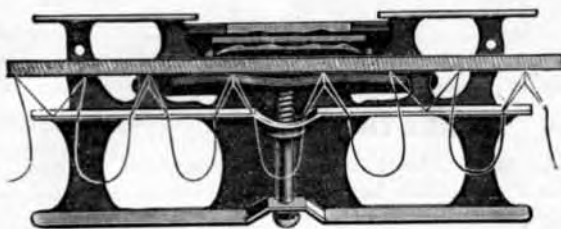
Made of the best Saw Steel and Tempered.

Length in Inches	12	14	16
Price, per dozen	\$9.00	\$10.50	\$12.00

Perfect Saw Jointer.

Raker Tooth Gauge, Jointer and Side-File Combined in One Tool.

There is nothing more important in connection with a Cross-Cut Saw than to have it properly jointed; that is to have the teeth and rakers of uniform length; so that every tooth in your saw will do its share of work. The Perfect Jointer has no equal in this respect



DIRECTIONS FOR USE:

In filing a Saw, the Teeth should first be jointed, or made uniform in length. To accomplish this place an 8 inch mill file in the jointer and by means of the large screw spring it to suit the curve of the Saw and pass it lightly over the points of the teeth till it touches the shortest tooth; then place the Tooth Gauge over the raker or cleaner-drag teeth and file them down to the gauge. If the Saw requires setting, use the MAPLE LEAF SAW SET.

Price, per dozen \$3.00

Packed in $\frac{1}{2}$ doz. Boxes.

Gives' Combined Saw Set, Jointer and Gauge.

Patented 1881.



Price, per dozen \$3.00

Maple Leaf Saw Set.



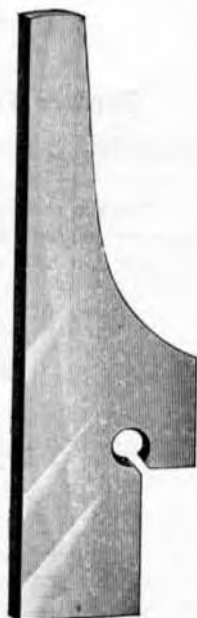
DIRECTIONS:

Place the Set on the point of tooth as shown in the above cut and strike a very light blow with a tack hammer. If you require more set, file the tooth with more bevel.

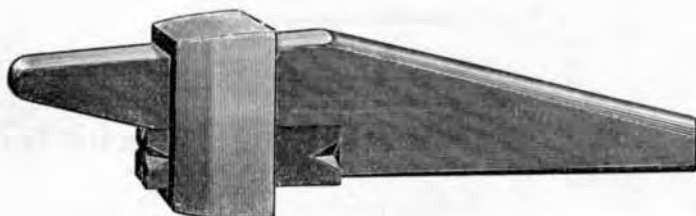
If you follow directions you cannot make a mistake. Be sure and not strike too hard a blow, and it will set the hardest saw.

Price, per dozen\$4.40

Packed in $\frac{1}{2}$ doz. Boxes.



The Premier Saw Set.



DIRECTIONS FOR USING SET:

1st. If the saw has been set with some other tool, take **that set out** and bring the teeth to a straight line.

2nd. Joint and file in the usual manner, being careful to make the tooth slim enough, so that the point will strike the bottom of the die first

3rd. Insert the point of the tooth in the die, holding the stem so that the lower or tapered end rests firmly.

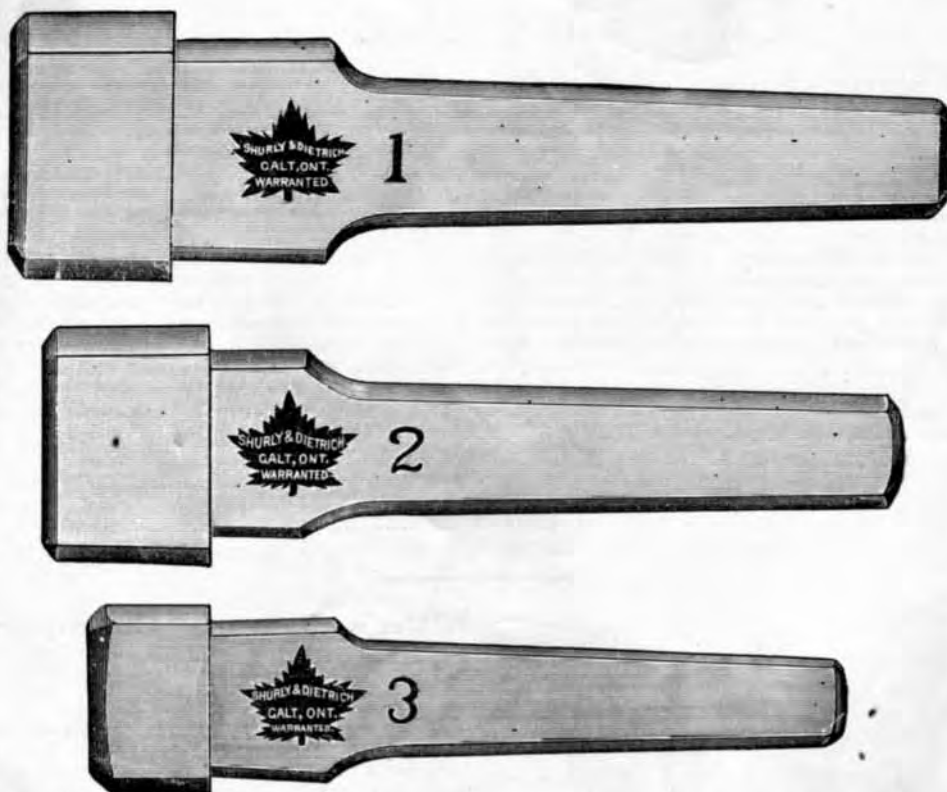
4th. With a light hammer strike two very light blows on the top of the stem. (NOTE: If a common nail hammer is used, great care should be taken not to strike too hard; an ordinary tack hammer being heavy enough.

5th. After having applied the "set" to all the teeth on that side, reverse the saw, and repeat the operation.

Price, per dozen\$10 00

Saw Swages.

The Shurly & Dietrich Saw Swage.



The above illustrations represent the three sizes of SWAGES or UPSETS we manufacture :

Price of No. 1, as per cut, for Large Circular Saws	\$4.00
" " 2, for Small Circular and Mill Saws.	3.50
" " 3, for Band Saws and Small Circular Saws	3.00

The lower opening in the Swage, being rounding on the bottom, takes its bearing on the centre of the tooth, spreading or shaping it. The upper opening is used for squaring up the points

The teeth of a Saw require to be Swaged to a sharp keen edge, and the bottom of the openings in the Swages made by us being slotted, it will not blunt or injure the cutting edge of the tooth, which is frequently done by other Swages.

Our Swages are hardened before the sleeve is driven on, thereby producing a good reliable article.

Mixer's Famous Saw Tooth Swage and Sharpener Still Takes The Lead.



MIXER'S DOUBLE UPST SWAGE is so constructed that it does not drive the teeth down and reduce the size of the Saw like most of the Upsets in use, but it draws the teeth out from the under side and leaves them full on top. The great demand for Mixer's Swage is a guarantee of its superiority over other Upsets in the market. They have been in use for the last 15 years, and give perfect satisfaction. It is the **Strongest and Most Durable Swage** that can be made—the largest one (No. 3) weighing 1 lb. 8 oz., and will outlast a half dozen of the common kind. There is no instrument that can be put into a Sawyer's hands that is so useful as a suitable Swage for properly spreading the points of saw teeth.

DIRECTIONS.—First see that the teeth are sufficiently hooking, so that the Swage can spread them at the points, leaving a short bevel of about one-sixteenth of an inch wide on the under side. Do not try to swage blunt teeth. Either the teeth must be filed to fit the Swage or the dies of the Swage must be ground to fit the teeth. Use the rounding die first—placing the Upset on with the long or middle die on top of the tooth, and down flat so as to steady the Upset, and give it the same angle each time. After the teeth are spread, use the flat die to point with. The edge of the teeth will need no filing, except occasionally a slight touch. By raising or lowering the end of the Swage, the point of the tooth may be turned up or down as desired. One drop of oil on the bottom of the Swage will prevent undue friction, and assist materially the operation of swaging. Try it and be convinced.

No. 3, Double Swage, largest size for Saws of from 5 to 10 gauge	\$5.30
No. 2, " " medium size, " " 8 to 12 "	4.50
No. 1, " " for all thinner gauges.....	4.00
No. 0, " " for very small thin Saws.....	3.00

Remember, the best is the cheapest. Sent by mail free on receipt of price, or by Express C. O. D.



Mixer's Famous Champion Gummer.

This Cut represents **MIXER'S FAMOUS CHAMPION GUMMER**, with the new Patent Adjustable Automatic Feed Attachment, that can be regulated at will to feed faster or slower, according to the work to be performed; and can be changed in an instant from self-feeding to hand-feeding.

It is self-adjusting—throwing itself out of gear when the teeth are cut to the required depth. The feeding process is so true and even, and so far superior to the old hand-feed, that we can harden our cutters to the very highest temper, with little or no danger of breaking (which is often caused by the irregularity of hand-feeding) and the Cutters will wear at least three times as long. We guarantee it to be **The Most Perfect Gummer Ever Made**. It will pay you to throw away your old Gummer and order the Champion.

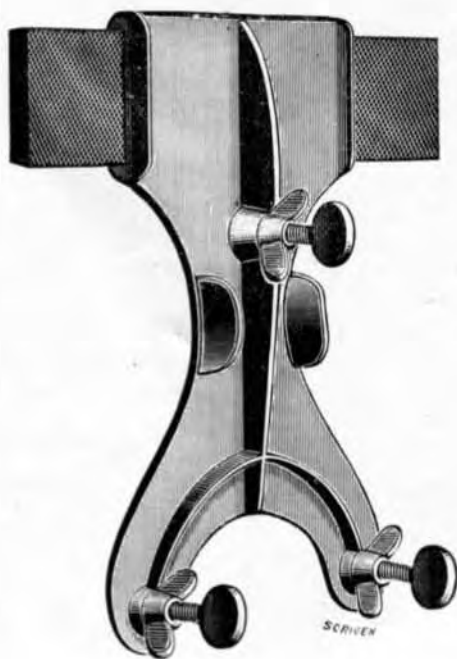
Price of Gummer, with Three Cutters, Grinder and Wrench, \$24.00.

Cutters, $\frac{3}{8}$ in. 90c.; $\frac{7}{8}$ in. \$1.00; 1 in. \$1.10; $1\frac{1}{8}$ in. \$1.20; $1\frac{1}{4}$ in. \$1.30; $1\frac{3}{8}$ in. \$1.60.

Cutters for small saws, $\frac{3}{8}$ in. 75c.; $\frac{7}{8}$ in. 80c.; $\frac{1}{2}$ in. 85c.

Extra Arbor for small saws to carry $\frac{3}{8}$, $\frac{1}{2}$ and $\frac{7}{8}$ in. Cutters, \$2.25.

Shurly & Dietrich's Improved Side File.



The Side File is used for the purpose of regulating Saw Teeth after they have been set. It is impossible to set a Saw so that some of the teeth will not extend or be bent over a little more than others, and thus make rough lumber. By the use of this instrument all the teeth are made even, and a Saw thus regulated will run twice as long without sharpening. The File must be so adjusted by means of the set-screws as to conform to any width of set desired. The jam-nuts are for the purpose of securing the set-screws in the desired position.

Price..... \$2.00 each